

## 滤波器的概述

- ◆ 滤波器是通信和雷达系统中的重要组成部件，功能是实现选频。即让系统需要的频率尽可能无损的通过，而其他不需要的频率尽可能大的衰减掉。通过滤波器不经受衰减或经受很小衰减的频带称为通带，经受的衰减的超过某一规定值的频带称为阻带，位于通带和阻带之间的频带称为过渡带。
- ◆ 带通滤波器(Bandpass Fitter, BPF)(图3)，它的通带限定在两个有限频率 $F_1$ 与 $F_2$ 之间，通带两侧都有阻带。

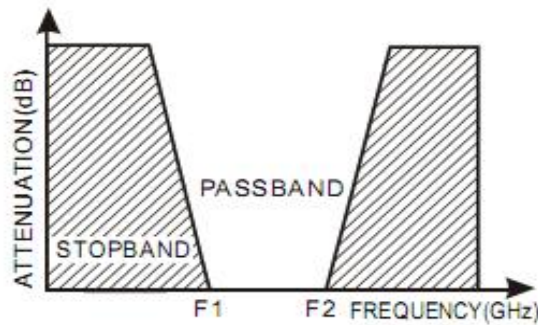


图3 带通滤波响应

### ◆ 滤波器主要参数

1. 中心频率(Center Frequency): 滤波器通带的中心频率通常用 $f_0$ 表示，一般取 $f_0=(F_1+F_2)/2$ ， $F_1$ 、 $F_2$  为带通或带阻滤波器(图3、图4)的边频点。
2. 插入损耗(Insertion Loss): 由于滤波器的接入对电路中原有信号带来的损耗。

一般插入损耗可以按下式进行估算：

$$IL = \frac{8.6 \cdot (N-1.5) \cdot F_0 \text{ GHz}}{Q \cdot BW \text{ GHz}} \text{ dB}$$

其中： $F_0$ ：中心频率；  
 $N$ ：滤波器阶数；  
 $BW$ ：通常为1dB带宽  
 $Q$ ：滤波器的品质因数

3. 通带带宽( $BW_{XdB}$ ): 指通过频谱的宽度，通常以中心频率处或截止频率处值来定义(图5)。

一般分为：(0.5dB) BW (低插损和高Q 滤波器，接收和发射)；

(1dB) BW (一般插损滤波器)；

(3dB) BW (大插损滤波器，中频，主要 LTCC，MEMS)。

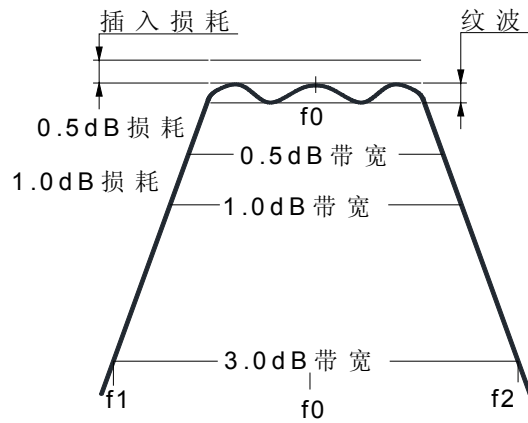


图5 插损、带宽、纹波定义

4. 纹波(Ripple)：一般指通带范围内，插损随频率在损耗曲线基础上波动的峰-峰值 (图5)。
5. 带内波动：通常指通带内插损随频率的变化量。
6. 带内驻波比(VSWR)：衡量滤波器通带内信号匹配传输的一个重要标志。理想匹配状态VSWR=1；开路短路时VSWR无穷大；对于实际的滤波器而言，满足VSWR<1.5的带宽参考表2。
7. 回波损耗(Return Loss)：端口信号输入功率与反射功率之比的分贝数：

$$RL = |20 \log_{10} \rho|, \quad \rho \text{ 为电压反射系数。}$$

它与驻波比有如下关系：

$$RL = 20 \log((VSWR+1)/(VSWR-1)).$$

8. 阻带抑制度：衡量滤波器选择性能优劣的重要指标，该指标越高说明滤波器对带外干扰信号抑制越好。

通常有两种提法：

- a) 标称法：对带外的指定频率 $f_s$ 给出一定的抑制dB数值；
- b) 比对法：比对滤波器的幅频相位曲线与理想矩形曲线接近程度，通常用矩形系数

( $K_{XdB} > 1$ ) 来表示，矩形系数 $K_{XdB} = \frac{BW_{Xd}}{BW_{3dB}}$  为60dB、50dB、40dB、30dB、20dB， $K$ 值越接近1，制作难度越大。

10. 带内时延( $T_d$ )：通常指信号通过滤波器所需的时间， $T_d = \frac{d\phi}{d\omega}$ ，即相位函数对频率的导数。

11. 带内相位线性度：该指标表征滤波器对通带内传输信号引入的相位失真程度，该项指标与滤波器实现的响应函数有关，通常相位线性度好，幅频选择性就差，常规响应函数（如切比雪夫函数）设计的带通滤波器相位与带宽的关系见表4

◆ 小型化交指带通滤波器通带参数比对表：

### 1.0dB带宽和3dB带宽之间的关系

插损 (dB)	阶数		
	2	3	4 ~ 10
0.5 ~ 1.0	69%	82%	88%
1.0 ~ 1.5	65%	80%	85%
1.5 ~ 2.0	61%	78%	83%
2.0 ~ 2.5	58%	76%	81%
2.5 ~ 3.0	54%	74%	79%
3.0 ~ 4.0	50%	72%	77%
4.0 ~ 5.0	42%	68%	72%

表1

### 1.5 驻波系数的带宽和3dB带宽之间的关系

插损 (dB)	阶数				
	2	3	4	5	6 ~ 10
0.5 ~ 1.5	50%	60%	80%	85%	90%
1.5 ~ 2.0	50%	60%	80%	85%	90%
2.0 ~ 2.5	51%	61%	80%	85%	90%
2.5 ~ 3.0	52%	63%	81%	85%	91%
3.0 ~ 3.5	55%	66%	83%	88%	94%
3.5 ~ 4.0	57%	70%	86%	91%	97%
4.0 ~ 4.5	59%	70%	91%	95%	102%

表2

### 线性相位滤波器的±5°

#### 相位带宽和3dB带宽之间的关系

插损 (dB)	阶数		
	2	3	4 ~ 10
0.5~1.0	53%	70%	78%
1.0~1.5	48%	66%	74%
1.5~2.0	44%	62%	69%
2.0~2.5	39%	51%	65%
2.5~3.0	35%	53%	61%
3.0~4.0	30%	49%	56%
4.0~5.0	21%	40%	47%

#### 3dB带宽默认公差(除用户特殊要求外)

百分比带宽	偏差范围
1 ~ 4%	0 ~ 0.5%
4.1 ~ 30%	0 ~ 2%
30.1 ~ 60%	0 ~ 4%
60.1 ~ 100%	0 ~ 6%

表4

### 小型化交指带通滤波器阶数与矩形系数之间关系对比表

阶数	5% 带宽		20% 带宽		40% 带宽	
	40dB/1dB	60dB/1dB	40dB/1dB	60dB/1dB	40dB/1dB	60dB/1dB
4	4.5	7.8	4.5	8	--	--
5	3	4.8	3	4.7	3	4.2
6	2.4	3.4	2.3	3.3	2.3	3.3
7	2	2.7	2	2.6	1.94	2.6
8	1.84	2.4	1.7	2.2	1.7	2.2
9	1.74	2.2	1.56	1.93	1.55	1.91
10	1.66	2	1.45	1.74	1.44	1.73
11	1.64	1.9	1.38	1.61	1.36	1.59
12	1.62	1.84	1.33	1.51	1.3	1.49
13	1.6	1.8	1.29	1.45	1.26	1.42

表5

◆ 产品标准及环境试验

滤波器被划分为微波组件类产品，执行总规范GJB 8481-2015《微波组件通用规范》。

➤ 系列产品的总体要求执行相关通用规范：Q/BL124、Q/BL125、Q/BL144、Q/BL145、Q/BL146、Q/BL147。

➤ 筛选试验

1、低温试验，按照GJB150.4要求，低温条件下储存24小时，具体温度条件参照表6。

2、高温试验，按照GJB150.3要求，高温条件下储存48小时，具体温度条件参照表6。

3、温度冲击试验，按照GJB360B要求，高低温10次循环，转换时间小于5min，极限温度下30min，具体温度条件参照表6。

4、随机振动，按照GJB360B 方法214做随机振动试验

➤ 特殊试验

1、冲击试验，按照GJB360B方法213做冲击试验。

2、微粒碰撞噪声检测试验（PIND），按照GJB548B中方法2020A条件B，频率大于等于60Hz时峰值为98m/s<sup>2</sup>。

➤ 质量保证等级

从低到高分别用 B1 级、A2 级和 A1 级标识。质量保证等级在研制、生产和检验中需特别重视，其与温度范围的对照表推荐如表 6，试验项目如有特别要求可在详细规范中规定。主要依据为 GJB/Z299C《电子设备可靠性预计手册》，其对应的质量系数分别为 1，0.5，0.25。

表 6 质量保证等级与温度范围对照表

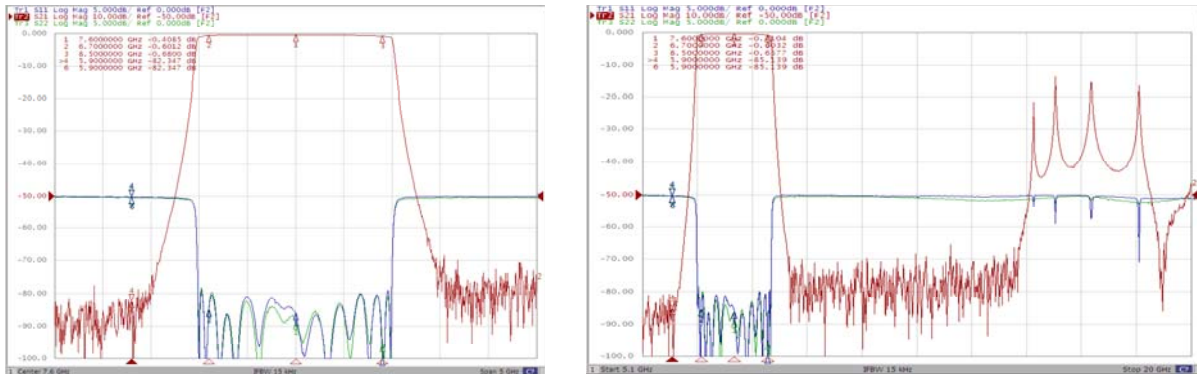
序号	项目	方法	B1级	A2级	A1级
1	工作环境温度	GJB360B 4.2.1	-40℃~+70℃	-55℃~+85℃	-55℃~+100℃
2	高、低温试验 或温度冲击	GJB360B 4.2.1	-55℃~+85℃	-55℃~+100℃	-65℃~+125℃

◆ 典型曲线

BP7600-1800-12B4 技术指标

F (GHz)	插损 (dB)	驻波	抑制	尺寸 mm
6.7~8.5	≤1.0	≤1.5	≥80dB@4~5.9GHz; ≥80dB@9.5GHz	60*17*7

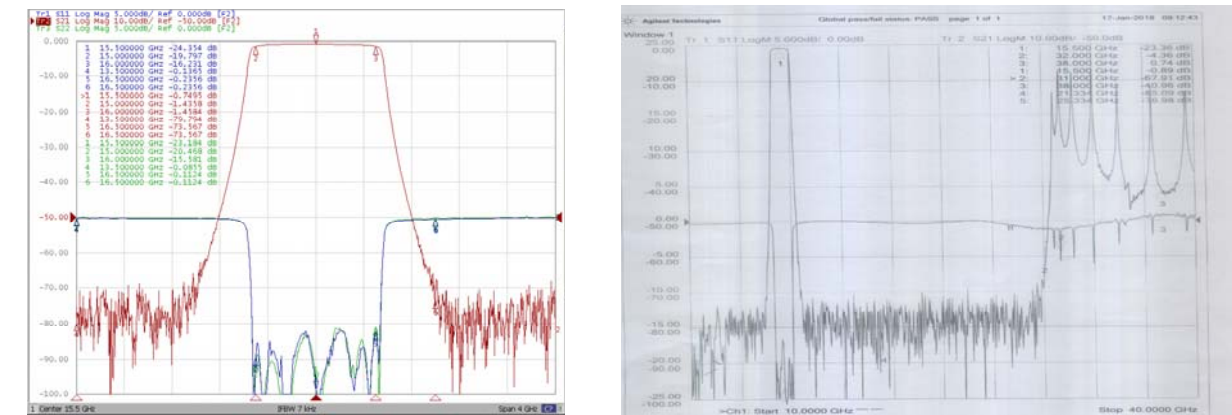
典型曲线



BP15500-1000-9B3 技术指标

F (GHz)	插损 (dB)	驻波	抑制	尺寸 mm
7.9~9.5	≤1.5	≤1.5	≥70dB@13.5GHz; ≥65dB@16.5GHz	46*12.5*6

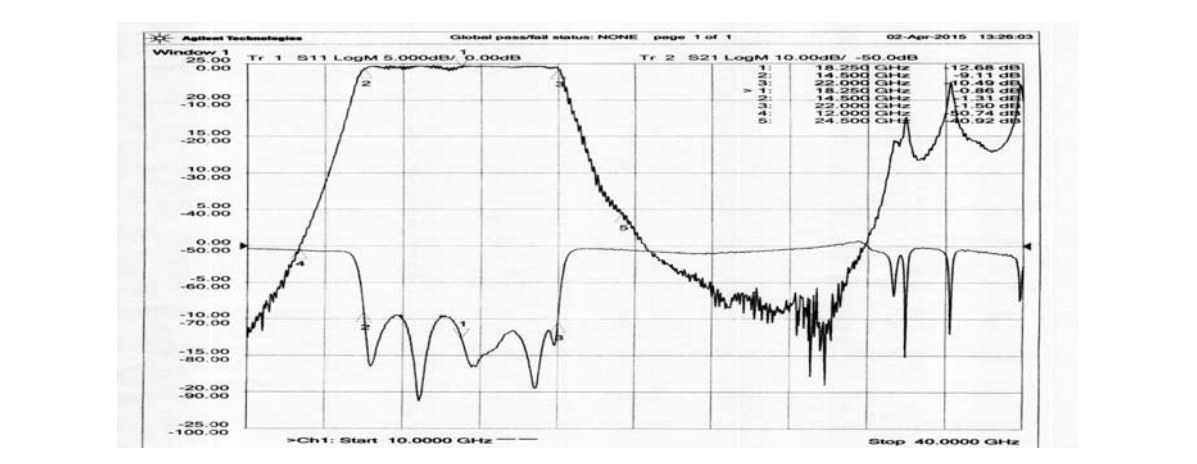
典型曲线



BP18250-7500-8B4 技术指标

F (GHz)	插损 (dB)	驻波	抑制	尺寸 mm
14.5~22	≤1.8	≤2.0	≥45dB@12.0GHz ; ≥30dB@24.5GHz	31*12.5*7

典型曲线



※ The following is a partial list of cavity bandpass filters and their specifications that we have produced, arranged by center frequency. 以下为生产过的腔体带通滤波器部分产品规格（按中心频率排序）。

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP4166.4-333-6B3	(-1dB)4.0-4.333	-1.7	--	4.452G, >=25dB	in: SMA-K out: Φ0.4mm Pin	25×12.5×6
BP4200-1200-5B4	(-1dB)3.5-4.85	-0.4	2.7G, >=30dB	6.3G, >=45dB	Φ0.4mm Pin	28×25×7
BP4250-1500-9B5	(-1dB)3.5-5.0	-0.6	2.4G, >=75dB	5.5G, >=45dB	Φ0.4mm Pin	49×20×8
BP4450-1100-8B4	(-1dB)3.9-5.0	-0.8	3.75G, >=20dB	5.55G, >=60dB	Φ0.4mm Pin	33×20×6.4
BP4500-2000-11B4	(-1dB)3.5-5.5	-0.7	3.15G, >=40dB	6.5G, >=80dB	Φ0.4mm Pin	46×24×6
BP4513-361-6B3	(-1dB)4.3325-4.6935	-1.5	--	4.82 ~ 10G, >=20dB	Φ0.4mm Pin	25×12.5×6
BP4800-30-3B4	(-1dB)4.775-4.825	-2.2	4.4G, >=50dB	5.2G, >=50dB	Φ0.4mm Pin	31×22.5×6
BP4888.5-391-6B3	(-1dB)4.693-5.084	-1.5	--	5.22 ~ 10G, >=20dB	Φ0.4mm Pin	25×12.5×6
BP4900-1000-11B4	(-1dB)4.4-5.4	-1	4.2G, >=45dB	5.6G, >=45dB	Φ0.4mm Pin	50×20×7
BP4940-1320-9B4	(-1dB)4.28-5.6	-0.8	3.0G, >=85dB	12.0G, >=70dB	Φ0.4mm Pin	49×21×9.5
BP5000-1000-10B4	(-1dB)4.5-5.5	-0.5	4.2G, >=50dB	6.8G, >=85dB	Φ0.4mm Pin	47×19×8
BP5000-2000-11B4	(-1dB)4.0-6.0	-0.7	3.1G, >=80dB	7 ~ 10G, >=60dB	Φ0.4mm Pin	46×24×6
BP5000-2200-10B5	(-1dB)3.9-6.1	-0.6	3.4G, >=40dB	6.6G, >=40dB	Φ0.4mm Pin	49×21×8
BP5050-2300-10IN	(-1dB)3.85-6.15	-0.8	3.5G, >=35dB	6.6G, >=30dB	Φ0.4mm Pin	43×23×8.2
BP5200-1000-12B4	(-1dB)4.7-5.7	-1.3	4.45G, >=55dB	5.95G, >=55dB	Φ0.4mm Pin	55×17×7
BP5200A-1000-12B4	(-1dB)4.7-5.7	-1.3	4.45G, >=55dB	5.95G, >=55dB	Φ0.4mm Pin	55×18×7
BP5250-900-5B4	(-1dB)4.75-5.75	-0.5	6.3G, >=30dB	6.9G, >=60dB	Φ0.4mm Pin	31×21×7
BP5250-1500-8B5	(-1dB)4.45-6.05	-0.8	3.5G, >=55dB	7G, >=60dB	Φ0.4mm Pin	43×18×8
BP5295-423-6B3	(-1dB)5.0835-5.5065	-1.8	--	5.654 ~ 10G, >=25dB	Φ0.4mm Pin	25×12.5×6
BP5350-1700-9B4	(-1dB)4.5-6.2	-1.3	3.8G, >=40dB	6.7G, >=40dB	Φ0.4mm Pin	34×18×7.8
BP5450-1300-7B3T	(-1dB)4.75-6.15	-1	6.9G, >=50dB	7.9G, >=65dB	Φ0.4mm Pin	26×14.5×5
BP5500-1000-8B4	(-1dB)5.0-6.0	-0.6	4.5G, >=50dB	7.0G, >=70dB	Φ0.4mm Pin	40×18×7
BP5500-1200-9B5	(-1dB)4.9-6.1	-0.6	4.4G, >=50dB	6.6G, >=50dB	Φ0.4mm Pin	49×21×8
BP5500-2000-11B4	(-1dB)4.5-6.5	-0.5	4.15G, >=40dB	7.5G, >=80dB	Φ0.4mm Pin	46×20×6
BP5550-600-8B5	(-1dB)5.25-5.85	-0.5	4.55G, >=80dB	6.55G, >=80dB	Φ0.4mm Pin	55×20×8
BP5736-458-6B3	(-1dB)5.507-5.965	-1.2	--	6.124 ~ 12G, >=25dB	Φ0.4mm Pin	25×12.5×6
BP5750-1000-11B4	(-1dB)5.25-6.25	-0.6	5.05G, >=45dB	6.45G, >=45dB	Φ0.4mm Pin	50×19×7
BP6213-496-6B3	(-1dB)5.963-6.463	-1	--	6.634 ~ 14G, >=20dB	Φ0.4mm Pin	25×12.5×6
BP6250-1700-9B4	(-1dB)5.4-7.1	-0.6	4.0G, >=85dB	12G, >=70dB	Φ0.4mm Pin	40×18×9.5
BP6285-690-5B4	(-1dB)5.94-6.63	-0.8	4.64G, >=60dB	7.92G, >=60dB	Φ0.4mm Pin	34×20×7
BP6300-1200-6B4	(-1dB)5.7-6.9	-0.5	5.1G, >=35dB	4.5G, >=60dB	Φ0.4mm Pin	31×16×7
BP6400-250-6B4	(-1dB)6.275-6.525	-1	--	7.0G, >=70dB	Φ0.4mm Pin	43×15×7
BP6500-2000-11B4	(-1dB)5.5-7.5	-0.5	5.15G, >=40dB	8.5G, >=80dB	Φ0.4mm Pin	46×18×6
BP6560-450-8B4	(-1dB)6.36-6.76	-1.5	6.16G, >=45dB	6.96G, >=50dB	Φ0.4mm Pin	52×15.5×7
BP6580-1300-6C	(-1dB)5.93-7.23	-1	3.54G, >=80dB	9.12G, >=70dB	Φ0.4mm Pin	34×18×7
BP6730-538-6B3	(-1dB)6.461-6.999	-1	--	7.187G, >=20dB	Φ0.4mm Pin	25×12.5×6
BP6800-400-6B4	(-1dB)6.6-7.0	-0.6	5.8G, >=75dB	7.8G, >=75dB	Φ0.4mm Pin	38×17.5×6.6
BP6800-400-6B4L	(-1dB)6.6-7.0	-0.6	5.8G, >=75dB	7.8G, >=75dB	Φ0.4mm Pin	41×17.5×6.6
BP6860-1000-7B4	(-1dB)6.36-7.36	-0.7	3.68G, >=80dB	9.54G, >=75dB	Φ0.4mm Pin	40×15×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP6875-300-6B3	(-1dB)6.725-7.025	-1.4	6.275G, >=65dB	7.475G, >=65dB	Φ0.4mm Pin	34×18×7
BP6875-300-6B4	(-1dB)6.725-7.025	-1.2	6.275G, >=65dB	7.475G, >=65dB	Φ0.4mm Pin	43×19×7
BP6900-2200-6MC	(-1dB)5.8-7.0	-0.8	5.3G, >=25dB	8.5G, >=20dB	Φ0.4mm Pin	20×14.5×5
BP6900-2200-8MC	(-1dB)5.8-7.0	-0.8	5.3G, >=30dB	8.5G, >=30dB	Φ0.4mm Pin	24×14.5×5
BP6990-660-5B4	(-1dB)6.66-7.32	-0.6	5.32G, >=65dB	9.28G, >=70dB	Φ0.4mm Pin	34×19×7
BP7000-1000/H-8B4	(-0.5dB)6.5-7.5	-0.6	6G, >=55dB	8.0G, >=55dB	Φ0.4mm Pin	46×18×6
BP7000A-1000-10B4	(-1dB)6.5-7.5	-1	6.0G, >=65dB	8.0G, >=65dB	Φ0.4mm Pin	52×18×7
BP7000-1000-13B3	(-1dB)6.5-7.5	-1.5	6.3G, >=45dB	7.7G, >=45dB	Φ0.4mm Pin	55×12×6
BP7000-2000-8B3	(-1dB)6.0-8.0	-0.8	5.0G, >=50dB	9.0G, >=50dB	Φ0.4mm Pin	35×17×6
BP7000-2000-8B4	(-1dB)6.0-8.0	-0.6	5.0G, >=50dB	9.0G, >=50dB	Φ0.4mm Pin	37×18×7
BP7000-2000-10B4	(-1dB)6.0-8.0	-0.8	5.0G, >=70dB	9.0G, >=70dB	Φ0.4mm Pin	46×20×7
BP7000-2000-12B4	(-1dB)6.0-8.0	-0.8	5.5G, >=60dB	8.5G, >=55dB	Φ0.4mm Pin	52×18×7
BP7000-2050-13B4	(-1dB)5.975-8.025	-1	5.5G, >=65dB	8.5G, >=60dB	Φ0.4mm Pin	55×18×7
BP7000-2100-12B4	(-1dB)5.95-8.05	-0.8	5.5G, >=50dB	8.5G, >=50dB	Φ0.4mm Pin	49×18×7
BP7000-2200-8B4	(-1dB)5.9-8.1	-0.6	5.0G, >=50dB	9.0G, >=45dB	Φ0.4mm Pin	40×16×7
BP7000-2200-8B5	(-1dB)5.9-8.1	-0.8	4.8G, >=50dB	10.2G, >=70dB	Φ0.4mm Pin	43×16×7
BP7000-2200-14B4	(-1dB)5.9-8.1	-1	5.4G, >=80dB	10.8G, >=80dB	Φ0.4mm Pin	58×15×7
BP7150-400-9B4	(-1dB)6.95-7.35	-1	6.6G, >=70dB	8.5G, >=60dB	Φ0.4mm Pin	55×20×7
BP7200-50-3B4	(-1dB)7.175-7.225	-2.5	6.8G, >=50dB	7.6G, >=50dB	Φ0.4mm Pin	31×17.5×6
BP7221-126-4B3	(-1dB)7.158-7.284	-1	6.668G, >=40dB	7.9G, >=55dB	Φ0.4mm Pin	22×15×6
BP7290-583-6B3	(-1dB)6.9985-7.5815	-1	7.786G, >=20dB	--	Φ0.4mm Pin	25×12.5×6
BP7312.5-515/T-9B3	(-3dB)7.055-7.57	-1.5	6.6G, >=85dB	7.9G, >=85dB	Φ0.4mm Pin	40×12×6
BP7350-50-3B4L	(-1dB)7.31-7.39	-1.2	6.45G, >=60dB	8.25G, >=70dB	Φ0.4mm Pin	31×18×6
BP7350-1020-9B4	(-1dB)6.84-7.86	-0.8	6.18G, >=70dB	8.52G, >=55dB	Φ0.4mm Pin	49×16×7.2
BP7400-1000-7B4P	(-1dB)6.9-7.9	-0.5	5.9G, >=70dB	8.9G, >=65dB	Φ0.4mm Pin	41×18×7.4
BP7400-1200-8B4	(-1dB)6.7-8.1	-0.6	6.0G, >=55dB	8.8G, >=55dB	Φ0.4mm Pin	37×10×6
BP7450-1100-5B4	(-1dB)6.85-8.05	-0.5	4.5G, >=60dB	5.7G, >=40dB	Φ0.4mm Pin	31×15×7
BP7465-250-4B4	(-1dB)7.315-7.615	-0.7	3.8G, >=75dB	11.0G, >=75dB	Φ0.4mm Pin	34×17×6
BP7500-880/H-11B4	(-0.5dB)7.06-7.94	-1.2	6.75G, >=55dB	8.25G, >=60dB	Φ0.4mm Pin	58×18×7
BP7500B-1000-10B4	(-1dB)7.0-8.0	-1.2	6.75G, >=55dB	8.25G, >=60dB	Φ0.4mm Pin	58×18×7
BP7500-2000-11B3	(-1dB)6.5-8.5	-0.8	6.15G, >=30dB	10.6G, >=80dB	Φ0.4mm Pin	46×18×6
BP7500-3000-6B6	(-1dB)6.0-9.0	-0.8	4.0G, >=30dB	11.0G, >=40dB	Φ0.4mm Pin	34×18×9
BP7500-3600-10B4	(-1dB)6.0-9.0	-0.6	4.0G, >=75dB	--	Φ0.4mm Pin	37×16×7
BP7600-1800-12B4	(-1dB)6.7-8.5	-0.8	4~5.9G, >=80dB	9.5G, >=80dB	Φ0.4mm Pin	60×17×7
BP7635-690-5B4	(-1dB)7.29-7.98	-0.6	5.32G, >=75dB	9.28G, >=55dB	Φ0.4mm Pin	34×18×7
BP7750-1500-10B4	(-1dB)6.95-8.55	-0.6	5.9G, >=85dB	--	Φ0.4mm Pin	49×17×7
BP7750-1700-9B4	(-1dB)6.85-8.65	-0.6	5.0G, >=80dB	12.0G, >=75dB	Φ0.4mm Pin	43×16×9.5
BP7896-631-6B3	(-1dB)7.576-8.216	-0.9	--	9.1G, >=65dB	Φ0.4mm Pin	25×12.5×6
BP8000-1000-4B4	(-1dB)7.4-8.6	-0.5	5.0G, >=55dB	9.5G, >=25dB	Φ0.4mm Pin	27×17×7
BP8000-1000-10B4	(-1dB)7.5-8.5	-0.7	7.0G, >=85dB	9.0G, >=80dB	Φ0.4mm Pin	55×17×7
BP8000-1300-10B4	(-1dB)7.35-8.65	-0.8	6.8G, >=65dB	9.2G, >=65dB	Φ0.4mm Pin	52×17×7
BP8000-1600-9B4	(-1dB)7.2-8.8	-0.9	6.4G, >=65dB	9.6G, >=65dB	Φ0.4mm Pin	46×16×7
BP8000-2000-13IN	(-1dB)7.0~9.0	-1	6.6G, >=60dB	9.4G, >=55dB	Φ0.4mm Pin	49×17×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP8000-2060-11B4	(-1dB)6.97--9.03	-0.7	6.3G, >=60dB	--	Φ0.4mm Pin	50×17×7
BP8050-700-6B4Z	(-1dB)7.7--8.4	-1	6.85G, >=65dB	9.25G, >=60dB	Φ0.4mm Pin	43×16×10
BP8075-400-7B4SP	(-1dB)7.875--8.275	-1	7.2G, >=80dB	8.6G, >=60dB	in:Φ0.4mm Pin out:SMP-J	51×16.5×9
BP8075-450-7B4SP	(-1dB)7.85--8.3	-1	7.2G, >=75dB	8.5G, >=40dB	in:Φ0.4mm Pin out:SMP-J	51×16.5×9
BP8100-50-3B4	(-1dB)8.075--8.125	-3.5	7.2G, >=65dB	9.0G, >=60dB	Φ0.4mm Pin	31×16×6
BP8200-400-5B4	(-1dB)8.0--8.4	-0.8	7.4G, >=50dB	9.0G, >=50dB	Φ0.4mm Pin	37×17×7
BP8200-2000-9B4	(-1dB)7.2--9.2	-0.6	6.2G, >=65dB	10.2G, >=65dB	Φ0.4mm Pin	43×15×7
BP8200-880/H-11B4	(-0.5dB)7.76--8.64	-1	7.45G, >=55dB	8.33G, >=55dB	Φ0.4mm Pin	58×17×7
BP8250-500-8B4	(-1dB)8.0--8.5	-1	7.85G, >=30dB	8.65G, >=30dB	Φ0.4mm Pin	52×16×7
BP8250-1500-11B4	(-1dB)7.5--9.0	-0.8	5.9G, >=85dB	--	Φ0.4mm Pin	52×16×7
BP8300-5000-10C	(-1dB)5.8--10.8	-0.8	5.4G, >=20dB	11.6G, >=35dB	Φ0.4mm Pin	49×15.5×8
BP8400-900-4B4	(-1dB)7.95--8.85	-0.6	1.2G, >=70dB	--	Φ0.4mm Pin	28×14×7
BP8400-1600-9B4	(-1dB)7.6--9.2	-0.6	6.6G, >=75dB	10G, >=65dB	Φ0.4mm Pin	49×16×7.2
BP8425-50-3B4	(-1dB)8.4--8.45	-1	8.1G, >=25dB	8.7G, >=20dB	Φ0.4mm Pin	34×15.5×7.3
BP8450-800-7B4	(-1dB)8.05--8.45	-0.6	7.325G, >=60dB	9.575G, >=60dB	Φ0.4mm Pin	44×15×7
BP8450-1100-8B4	(-1dB)7.9--9.0	-0.6	6.14G, >=80dB	16.1G, >=70dB	Φ0.4mm Pin	43×16×7
BP8450-1104-11B4	(-1dB)7.85--9.05	-0.6	7.2G, >=80dB	9.7G, >=75dB	Φ0.4mm Pin	55×16×7
BP8450-1124-7B4	(-1dB)7.8--9.1	-0.4	6.0G, >=80dB	10.9G, >=75dB	Φ0.4mm Pin	40×16×7
BP8500-500-7B4	(-1dB)8.25--8.75	-0.8	9.1G, >=55dB	12.6G, >=75dB	Φ0.4mm Pin	55×16×7
BP8500-1000-5B4	(-1dB)8.0--9.0	-0.6	7.0G, >=80dB	10.0G, >=75dB	Φ0.4mm Pin	46×16×7
BP8500-1000-7B3	(-1dB)8.0--9.0	-0.7	7.24G, >=55dB	9.7G, >=55dB	Φ0.4mm Pin	34×15.5×6
BP8500-1000-8B4	(-1dB)8.0--9.0	-0.8	7.5G, >=55dB	9.5G, >=50dB	Φ0.4mm Pin	46×16×7
BP8500-1000-9B3	(-1dB)8.0--9.0	-0.8	7.5G, >=60dB	9.5G, >=60dB	Φ0.4mm Pin	43×13×6.2
BP8500-1000-9B4	(-1dB)8.0--9.0	-0.7	7.8G, >=25dB	10.0G, >=75dB	Φ0.4mm Pin	55×14.5×7
BP8500-1000-10B4	(-1dB)8.0--9.0	-0.7	7.5G, >=65dB	9.5G, >=60dB	Φ0.4mm Pin	54×16×7
BP8500-1200-8B4	(-1dB)7.9--9.1	-0.7	7.5G, >=38dB	9.5G, >=35dB	Φ0.4mm Pin	47×16×7
BP8500-1200-11B4	(-1dB)7.9--9.1	-0.8	7.4G, >=70dB	9.6G, >=70dB	Φ0.4mm Pin	58×16×7
BP8500-2000-8B4	(-1dB)7.5--9.5	-0.6	6.5G, >=55dB	10.5G, >=55dB	Φ0.4mm Pin	40×16×7
BP8500-2000-11B3	(-1dB)7.5--9.5	-0.8	7.15G, >=80dB	11.6G, >=32dB	Φ0.4mm Pin	46×16×6
BP8500-2100-9B4	(-1dB)7.45--9.55	-0.8	7.0G, >=65dB	10G, >=65dB	Φ0.4mm Pin	58×16×7
BP8500-3000-10B4	(-1dB)7.5--10.5	-0.8	6.5G, >=30dB	11.5G, >=70dB	Φ0.4mm Pin	43×16×7
BP8500-6000-10B4	(-1dB)5.5--11.5	-0.8	4.3G, >=40dB	12.8G, >=35dB	Φ0.4mm Pin	36.9×15.9×7
BP8550-1100-8IN	(-1dB)8.0--9.1	-0.8	7.8G, >=17dB	9.3G, >=17dB	Φ0.4mm Pin	55×17×10.6
BP8550-1100-11B3	(-1dB)8.0--9.1	-1	7.8G, >=45dB	9.3G, >=40dB	Φ0.4mm Pin	50×12×6
BP8553-683-6B3	(-1dB)8.2115--8.8945	-0.8	--	10.3G, >=70dB	Φ0.4mm Pin	25×12.5×6
BP8575-1350-9B4	(-1dB)7.9--9.25	-0.6	7.15G, >=70dB	10.8G, >=65dB	Φ0.4mm Pin	49×16×7
BP8600-1200-9B3	(-1dB)8.0--9.2	-0.7	7.8G, >=28dB	9.8G, >=60dB	Φ0.4mm Pin	40×16×6
BP8600-20-4B3	(-1dB)8.57--8.63	-2.5	8.42G, >=40dB	8.78G, >=40dB	Φ0.4mm Pin	30×16×5.4
BP8700-500-5IN	(-1dB)8.45--8.95	-1.8	7.0G, >=75dB	10.0G, >=55dB	Φ0.4mm Pin	34×14×6
BP8700-604-9B4	(-1dB)8.38--9.02	-0.8	7.5G, >=80dB	9.9G, >=80dB	Φ0.4mm Pin	55×16×7



Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP8700-1400-8B4	(-1dB)8.0--9.4	-0.6	7.0G, >=60dB	10.4G, >=60dB	Φ0.4mm Pin	43×15.5×7
BP8700-1600-10B4	(-1dB)7.9--9.5	-0.6	7.2G, >=65dB	10.8G, >=60dB	Φ0.4mm Pin	49×16×7
BP8720-150-5B4	(-1dB)8.62--8.82	-1.5	7.92G, >=75dB	9.52G, >=75dB	Φ0.4mm Pin	43×17×7
BP8750-500-8B4	(-1dB)8.5--9.0	-1	8.35G, >=55dB	9.15G, >=25dB	Φ0.4mm Pin	52×16×7
BP8750-550-5B4	(-1dB)8.475--9.025	-0.6	7.475G, >=60dB	9.575G, >=40dB	Φ0.4mm Pin	34×14×6
BP8800-1600-9B4	(-1dB)8.0--9.6	-1	8.3G, >=45dB	9.2G, >=45dB	Φ0.4mm Pin	52×16×7
BP8800-20-4B3	(-1dB)8.77--8.83	-2.5	8.62G, >=40dB	8.98G, >=40dB	Φ0.4mm Pin	30×16×5.4
BP8800-2400-6MC	(-1dB)7.6--10.0	-0.6	7.1G, >=20dB	10.5G, >=12dB	Φ0.4mm Pin	20×12×5
BP8800-2400-8MC	(-1dB)7.6--10.0	-1.2	7.1G, >=30dB	10.5G, >=30dB	Φ0.4mm Pin	24×12×5
BP8850-750-6B3	(-1dB)8.475--9.225	-0.8	7.475G, >=60dB	9.575G, >=28dB	Φ0.4mm Pin	34×14×6
BP8850-2100-10B4	(-1dB)7.8--9.9	-0.7	6.9G, >=60dB	10.9G, >=70dB	Φ0.4mm Pin	46×16×7
BP8950-500-6B4P	(-1dB)8.7--9.2	-0.8	7.95G, >=70dB	9.85G, >=65dB	Φ0.4mm Pin	41×16×7
BP8950-720/H-6B2	(-1dB)8.59--9.31	-1	8.35G, >=20dB	9.55G, >=20dB	Φ0.4mm Pin	23×15×5
BP8950-720/H-8B2	(-1dB)8.59--9.31	-1	8.35G, >=35dB	9.55G, >=35dB	Φ0.4mm Pin	29×15×5
BP9000-600/H-6B2	(-1dB)8.7--9.3	1.2	8.4G, >=40dB	9.6G, >=38dB	Φ0.4mm Pin	23×16×5
BP9000-600/H-8B2	(-1dB)8.7--9.3	-1.5	8.4G, >=45dB	9.6G, >=45dB	Φ0.4mm Pin	30×16×5
BP9000-600-9B4	(-1dB)8.7--9.3	-1.5	8.32G, >=70dB	9.68G, >=70dB	Φ0.4mm Pin	55×15.5×7.8
BP9000-620-7B4	(-1dB)8.69--9.31	-0.7	8.04G, >=70dB	9.96G, >=70dB	Φ0.4mm Pin	45×16×7
BP9000B-1000-9B4	(-1dB)8.69--9.31	-1	8.0G, >=70dB	10.0G, >=70dB	Φ0.4mm Pin	54×16×7
BP9000-1000-10B4	(-1dB)8.5--9.5	-0.9	8.0G, >=75dB	10.0G, >=65dB	Φ0.4mm Pin	55×16×7
BP9000-1020/T-9B4	(-3dB)8.45--9.55	-0.6	8.3G, >=20dB	9.7G, >=20dB	Φ0.4mm Pin	49×17×7
BP9000-1020/T-9B4L	(-3dB)8.45--9.55	-0.6	8.3G, >=15dB	9.7G, >=15dB	Φ0.4mm Pin	49×17×7
BP9000-1200-6B4	(-1dB)8.4--9.6	-0.6	7.3G, >=50dB	12.6G, >=75dB	Φ0.4mm Pin	37×15×7
BP9000-2000-10B4	(-1dB)8.45--9.55	-0.6	8.3G, >=15dB	9.7G, >=15dB	Φ0.4mm Pin	49×17×7
BP9000-2000-10B4SP	(-1dB)8.0--10.0	-0.9	7.0G, >=8.0dB	11.0G, >=65dB	Φ0.4mm Pin	52×15×7.4
BP9000-2000-7B4	(-1dB)7.95--10.05	-0.8	7.0G, >=45dB	11.0G, >=40dB	Φ0.4mm Pin	40×15×7
BP9000-2000-8B3	(-1dB)8.0--10.0	-0.6	7.0G, >=50dB	11.0G, >=50dB	Φ0.4mm Pin	35×15×6
BP9000-2000-9B4	(-1dB)8.0--10.0	-0.6	7.0G, >=65dB	11.0G, >=60dB	Φ0.4mm Pin	46×15×7
BP9000-2000-9B4L	(-1dB)8.0--10.0	-0.6	7.0G, >=65dB	11.0G, >=60dB	Φ0.4mm Pin	46×15×7
BP9000-2050-13B3	(-1dB)7.975--10.025	-0.9	7.5G, >=65dB	10.5G, >=65dB	Φ0.4mm Pin	55×16×6.8
BP9000-2100-12B4	(-1dB)7.95--10.05	-0.9	7.5G, >=50dB	10.5G, >=50dB	Φ0.4mm Pin	52×16×7
BP9000-2200-8B4	(-1dB)7.85--10.15	-0.6	7G, >=45dB	11.0G, >=45dB	Φ0.4mm Pin	40×16×7
BP9000-2200-14B4	(-1dB)7.9--10.1	-0.9	7.4G, >=55dB	12.8G, >=80dB	Φ0.4mm Pin	58×18×7
BP9000-2400-11B3	(-1dB)7.8--10.2	-0.8	7.4G, >=40dB	10.6G, >=40dB	Φ0.4mm Pin	46×16×6
BP9000-2800-13B4	(-1dB)7.6--10.4	-0.8	6.8G, >=75dB	16.8G, >=70dB	Φ0.4mm Pin	57×16×7
BP9000-6000-13B4	(-1dB)6.0--12.0	-0.8	5.3G, >=38dB	13.5G, >=45dB	Φ0.4mm Pin	42.9×15.9×7
BP9000A-2000-7B4	(-1dB)8.0--10.0	-0.8	8.04G, >=70dB	9.96G, >=70dB	Φ0.4mm Pin	37×16×7
BP9000A-2000-9B4L	(-1dB)8.0--10.0	-0.6	6.5G, >=80dB	11.5G, >=70dB	Φ0.4mm Pin	46×16×7
BP9020-1260-10B3	(-1dB)8.39--9.65	-0.9	7.58G, >=80dB	10.8G, >=80dB	Φ0.4mm Pin	43×14×6
BP9030-1020-7B4	(-1dB)8.52--9.54	-0.9	7.56G, >=70dB	10.08G, >=70dB	Φ0.4mm Pin	43×16×8.2
BP9030-1100-12B3	(-1dB)8.48--9.58	-1.1	8.0G, >=75dB	10.0G, >=70dB	Φ0.4mm Pin	52×12×6
BP9050-1100-6B4	(-1dB)8.5--9.6	-0.6	7.4G, >=55dB	--	Φ0.4mm Pin	37×16×7
BP9060-1020-9B4	(-1dB)8.55--9.57	-0.4	7.86G, >=70dB	10.26G, >=65dB	Φ0.4mm Pin	49×16×7.2

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP9100-1800-11B4	(-1dB)8.2--10.0	-0.6	6.7G, >=85dB	13.0G, >=65dB	Φ0.4mm Pin	49×16×9
BP9100-2200-10B3	(-1dB)8.0--10.2	-0.7	7.2G, >=52dB	11.2G, >=60dB	Φ0.4mm Pin	40×15×6
BP9150-2500-11B3	(-1dB)7.9--10.4	-0.6	7.3G, >=55dB	10.8G, >=40dB	Φ0.4mm Pin	43×14×6.4
BP9200-1600-8B4	(-1dB)8.4--10.0	-0.5	7.7G, >=45dB	10.7G, >=40dB	Φ0.4mm Pin	43×15×6
BP9200-1600-9B4	(-1dB)8.4--10.0	-0.5	7.6G, >=60dB	10.8G, >=60dB	Φ0.4mm Pin	49×16×7
BP9200-800-8B3	(-1dB)8.8--9.6	-0.9	8.4G, >=50dB	10.0G, >=53dB	Φ0.4mm Pin	40×14×6
BP9220-360-3B3	(-1dB)9.04--9.4	-1	8.0G, >=35dB	10.27G, >=35dB	Φ0.4mm Pin	21.4×15.4×5
BP9230-1440-7B4	(-1dB)8.51--9.95	-0.5	5.0G, >=85dB	10.5G, >=75dB	Φ0.4mm Pin	38×15×6
BP9250-1000-9B3	(-1dB)8.75--9.75	-0.8	8.3G, >=60dB	10.2G, >=60dB	Φ0.4mm Pin	43×13×6
BP9250-500-8B4	(-1dB)9.0--9.5	-0.8	8.3G, >=60dB	10.2G, >=60dB	Φ0.4mm Pin	52×15×7
BP9250-700-5B3	(-1dB)8.9--9.6	-0.6	8.25G, >=45dB	10.25G, >=45dB	Φ0.4mm Pin	30×16×6
BP9265-740-6B3	(-1dB)8.895--9.635	-1	9.894G, >=25dB	--	Φ0.4mm Pin	25×12.5×6
BP9300-1800-11B4	(-1dB)8.4--10.2	-0.4	7.8G, >=60dB	10.8G, >=60dB	Φ0.4mm Pin	55×15×7
BP9300-2600-13B4	(-1dB)7.95--10.65	-0.6	--	11.2G, >=60dB	Φ0.4mm Pin	55×16×7
BP9300-3000-10B4	(-1dB)7.8-10.8	-0.6	7.8G, >=60dB	10.8G, >=60dB	Φ0.4mm Pin	46×15×7
BP9300-700-7B4	(-1dB)8.95-9.65	-0.8	--	10.05G, >=45dB	Φ0.4mm Pin	46×15×7
BP9350-300-9B3	(-3dB)9.2-9.5	-2	9.1G, >=40dB	9.6G, >=40dB	Φ0.4mm Pin	54×16×6.2
BP9350-400-10B3	(-1dB)9.15-9.55	-1.4	9.0G, >=50dB	9.7G, >=50dB	Φ0.4mm Pin	54×16×6.2
BP9370-200-6B4	(-1dB)9.27-9.47	-1.5	8.8G, >=75dB	9.9G, >=70dB	Φ0.4mm Pin	49×16×6.4
BP9370-200-71B4	(-1dB)9.24-9.5	-1.8	8.8G, >=75dB	9.9G, >=75dB	Φ0.4mm Pin	49×16×6
BP9400-1200-9B4	(-1dB)8.75-10.05	-1	10.3G, >=26dB	--	Φ0.4mm Pin	49×15×6
BP9430-150-6B4	(-1dB)9.34-9.52	-2	8.83G, >=80dB	10.03G, >=80dB	Φ0.4mm Pin	49×16×7.6
BP9448-504-6B4B	(-1dB)9.196-9.7	-0.9	8.1G, >=80dB	12G, >=80dB	Φ0.4mm Pin	45×13.5×8
BP9475-550-8B4	(-1dB)9.2-9.75	-1.2	8.8G, >=70dB	10.6G, >=75dB	Φ0.4mm Pin	52×16×7
BP9490-400-10B3	(-1dB)9.29-9.69	-1.5	9.14G, >=45dB	9.84G, >=50dB	Φ0.4mm Pin	54×16×6.2
BP9500-600-6B4	(-1dB)9.2-9.8	-0.6	9G, >=25dB	10G, >=22dB	Φ0.4mm Pin	40×15×7
BP9500-1000-4B4	(-1dB)8.95-10.05	-0.4	5G, >=60dB	13.5G, >=50dB	Φ0.4mm Pin	30×15×7
BP9500-1000-7B3	(-1dB)8.95-10.05	-0.8	8.6G, >=30dB	10.4G, >=30dB	Φ0.4mm Pin	30×12×6
BP9500-1000-9B3	(-1dB)9-10	-0.6	8.5G, >=65dB	11.5G, >=80dB	Φ0.4mm Pin	46×15×6
BP9500-1000-9B4	(-1dB)9-10	-0.6	8.8G, >=30dB	11G, >=75dB	Φ0.4mm Pin	55×14.5×7
BP9500-1000-10B4	(-1dB)9-10	-1	8.5G, >=70dB	10.5G, >=65dB	Φ0.4mm Pin	54×16×7
BP9500-1000-11B3	(-1dB)9-10	-1	8.5G, >=80dB	10.5G, >=80dB	Φ0.4mm Pin	50×15×6
BP9500-1100-8B4	(-1dB)8.95-10.05	-0.8	8.45G, >=50dB	10.55G, >=50dB	Φ0.4mm Pin	46×15×7
BP9500-1200-8B4	(-1dB)8.85-10.15	-0.6	8.5G, >=38dB	10.5G, >=35dB	Φ0.4mm Pin	47×16×7
BP9500-1200-11B4	(-1dB)8.9-10.1	-1.1	8.4G, >=70dB	10.6G, >=70dB	Φ0.4mm Pin	58×16×7
BP9500-1400-9B4	(-1dB)8.8-10.2	-0.7	11.1G, >=75dB	7.9G, >=75dB	Φ0.4mm Pin	49×15×7
BP9500-1400-10B3	(-1dB)8.8-10.2	-0.7	8.6G, >=25dB	10.8G, >=60dB	Φ0.4mm Pin	44×15×6
BP9500-1500-11B4	(-1dB)8.75-10.25	-0.5	8.2G, >=70dB	11.8G, >=55dB	Φ0.4mm Pin	55×15×7
BP9500-2000/H-10B4	(-0.5dB)8.5-10.5	-0.6	8.0G, >=40dB	1.0G, >=40dB	Φ0.4mm Pin	49×15×7
BP9500-2000-11B3	(-1dB)8.5-10.5	-0.7	8.15G, >=38dB	11.5G, >=76dB	Φ0.4mm Pin	46×15×6
BP9500-2000-13B3	(-1dB)8.5-10.5	-0.7	8.2G, >=45dB	10.8G, >=45dB	Φ0.4mm Pin	55×15×7
BP9500-2000-13B4	(-1dB)8.45-10.55	-0.6	8.1G, >=50dB	10.9G, >=50dB	Φ0.4mm Pin	58×14×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP9500-2100-9B4	(-1dB)8.45-10.55	-0.5	8G, >=60dB	11G, >=60dB	Φ0.4mm Pin	58×15×7
BP9500-3000-10B4	(-1dB)7.9-11.1	-0.6	7.5G, >=35dB	12.5G, >=65dB	Φ0.4mm Pin	43×15×7
BP9500-3200-11B4	(-1dB)7.9-11.1	-0.7	7G, >=60dB	12.5G, >=65dB	Φ0.4mm Pin	46×16×7
BP9550-1100-11B3	(-1dB)9-10.1	-1.1	8.8G, >=35dB	10.3G, >=35dB	Φ0.4mm Pin	50×12×6
BP9600-500-4B4	(-1dB)9.3-9.9	-0.5	8.5G, >=40dB	10.7G, >=40dB	Φ0.4mm Pin	34×15×8
BP9600-600/H-6B4	(-0.5dB)9.3-9.9	-1	8.8G, >=45dB	10.4G, >=45dB	Φ0.4mm Pin	40×15×7
BP9600-1200/H-6B4	(-0.5dB)9-10.2	-0.7	8.0G, >=45dB	11.2G, >=40dB	Φ0.4mm Pin	37×15×7
BP9600-1600-9B4	(-1dB)8.8-10.4	-0.5	8.0G, >=60dB	11.2G, >=60dB	Φ0.4mm Pin	46×15×7
BP9617-40-5B4	(-1dB)9.597-9.637	-4	9.417G, >=70dB	9.817G, >=75dB	Φ0.4mm Pin	34×14.5×6.6
BP9650-700-8B4	(-1dB)9.3-10	-0.8	8.95G, >=55dB	10.35G, >=55dB	Φ0.4mm Pin	52×15×7
BP9690-370-4L	(-1dB)9.505-9.875	-1	9.24G, >=20dB	10.14G, >=20dB	Φ0.4mm Pin	40×16×7
BP9690-370-5IN	(-1dB)9.505-9.875	-1.2	9.24G, >=30dB	10.14G, >=30dB	Φ0.4mm Pin	40×16×7
BP9690-2620-9B4	(-1dB)8.38-11	-0.4	6.88G, >=75dB	12.5G, >=65dB	Φ0.4mm Pin	43×15×7
BP9700-700-7B4	(-1dB)9.35-10.05	-0.8	10.45G, >=45dB	--	Φ0.4mm Pin	46×15×7
BP9700-2200-8B4	(-1dB)8.6-10.8	-0.5	5.4G, >=80dB	12.9G, >=70dB	Φ0.4mm Pin	40×15×7
BP9748-504-6B4B	(-1dB)9.496-10	-1	8.4G, >=80dB	12G, >=75dB	Φ0.4mm Pin	45×13.5×8
BP9750-500-8B4	(-1dB)9.5-10	-1.2	9.35G, >=35dB	10.15G, >=30dB	Φ0.4mm Pin	52×15×7
BP9750-1500/T-12B3	(-3dB)9.0-10.5	-0.8	10.8G, >=58dB	--	Φ0.4mm Pin	54×16×7
BP9750-1500-10B4	(-1dB)9.0-10.5	-0.7	8.5G, >=45dB	11G, >=45dB	Φ0.4mm Pin	54×16×7
BP9750-1600-12B4	(-1dB)8.95-10.55	-0.8	8.25G, >=80dB	11G, >=65dB	Φ0.4mm Pin	55×16×7
BP9780-1560-10B4	(-1dB)9.0-10.5	-0.7	8.64G, >=35dB	11.54G, >=75dB	Φ0.4mm Pin	52×14×7
BP9800-1000-11B4P	(-1dB)9.3-10.3	-0.8	8.95G, >=65dB	10.7G, >=65dB	Φ0.4mm Pin	58×15×7
BP9800-2000-7B4	(-1dB)8.8-10.8	-0.7	5.4G, >=80dB	13.2G, >=65dB	Φ0.4mm Pin	37×16×7
BP9850-750-6B3	(-1dB)9.475-10.225	-0.8	8.475G, >=65dB	10.575G, >=25dB	Φ0.4mm Pin	34×14×6
BP9950-550-5B4	(-1dB)9.675-10.225	-0.7	8.675G, >=60dB	10.775G, >=40dB	Φ0.4mm Pin	34×14×6
BP9995-800-7B4	(-1dB)9.595-10.395	-1	8.87G, >=70dB	11.12G, >=65dB	Φ0.4mm Pin	44×15×7
BP10000-1000-10B4	(-1dB) 9.5-10.5	-0.8	9G, >=75dB	11G, >=70dB	Φ0.4mm Pin	55×15×7
BP10000-1000-6B4	(-1dB) 9.5-10.5	-0.5	9.2G, >=20dB	11.8G, >=58dB	Φ0.4mm Pin	40×15×8
BP10000-1000-9B3	(-1dB) 9.5-10.5	-0.6	9G, >=62dB	11G, >=60dB	Φ0.4mm Pin	43×14×6
BP10000-1020-7B4L	(-1dB) 9.4-10.6	-0.5	8.91G, >=43dB	11.1G, >=40dB	Φ0.4mm Pin	43×15×6.5
BP10000-1600-9B4	(-1dB)9.2-10.8	-0.5	8.4G, >=65dB	11.6G, >=60dB	Φ0.4mm Pin	49×15×7
BP10000-2000-10B4	(-1dB)8.9-11.1	-0.5	8G, >=75dB	12G, >=65dB	Φ0.4mm Pin	49×15×7
BP10000-2000-7B4	(-1dB)8.9-11.1	-0.8	8G, >=48dB	12G, >=40dB	Φ0.4mm Pin	40×15×7
BP10000-300-5B4	(-1dB)9.85-10.15	-1.6	9.05G, >=75dB	10.65, >=55	Φ0.4mm Pin	40×15×8
BP10000-4000-10Z4	(-1dB)8.0-12.0	-1.1	7.1G, >=46dB	18G, >=44dB	SMA-K	50×29×8
BP10000-4000-14B5	(-1dB)8.0-12.0	-1	6G, >=85dB	14G, >=80dB	Φ0.4mm Pin	58×12×9
BP10000-4000-7B4	(-1dB)7.9-12.1	-0.5	6G, >=54dB	14G, >=38dB	Φ0.4mm Pin	34×15×7
BP10000-4000-8B4	(-1dB)7.9-12.1	-1	14G, >=50dB	--	Φ0.4mm Pin	34×15×7
BP10000-4000-9IN	(-1dB)7.9-12.1	-1.2	6G, >=68dB	14G, >=58dB	Φ0.4mm Pin	40×15×8
BP10000-4200-12B4	(-1dB)7.9-12.1	-0.5	7G, >=65dB	13G, >=50dB	Φ0.4mm Pin	45×15×6.4
BP10000-4400-10B4	(-1dB)7.9-12.1	-1	6.2G, >=60dB	15.6G, >=50dB	Φ0.4mm Pin	43×15×9
BP10000-4700-12B4	(-1dB)7.65-12.35	-0.8	6.3G, >=78dB	13.2G, >=48dB	Φ0.4mm Pin	46×15×7
BP10000-5000-14B4	(-1dB)7.5-12.5	-0.7	7.1G, >=33dB	12.9G, >=30dB	Φ0.4mm Pin	49×15×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP10000-600-7B4SJ	(-1dB)9.7-10.3	-0.9	9G, >=80dB	11G, >=85dB	Φ0.4mm Pin	46×15×7
BP10000-700-8B4	(-1dB)9.6-10.4	-0.5	9.05G, >=75dB	10.85G, >=65dB	Φ0.4mm Pin	49×15×7
BP10000A-4000-7B4	(-1dB)7.9-12.1	-0.5	7G, >=30dB	13G, >=23dB	Φ0.4mm Pin	30×15×7
BP10000B-1000-10B4	(-1dB)9.5-10.5	-0.8	9G, >=77dB	11G, >=75dB	Φ0.4mm Pin	54×16×7
BP10036-802-6B3	(-1dB)9.586-10.486	-0.8	10.718G, >=30dB	--	Φ0.4mm Pin	25×12.5×6
BP10050-900/H-6B3	(-0.5dB)9.55-10.55	-1.1	8.5G, >=65dB	11.5G, >=60dB	Φ0.4mm Pin	30×17×8
BP10100-1800-11B4	(-1dB)9.15-11.05	-0.7	8.6G, >=70dB	11.6G, >=60dB	Φ0.4mm Pin	55×14.5×7
BP10100-1900-5B4	(-1dB)9.1-11.1	0.7	16.35G, >=65dB	--	Φ0.4mm Pin	31×15×7
BP10100-5200-7B4	(-1dB)7.5-12.7	-0.8	4.6G, >=50dB	15.6G, >=40dB	Φ0.4mm Pin	30×14×7
BP10125-950-7B3	(-1dB)9.625-10.625	-0.8	8.6G, >=70dB	--	Φ0.4mm Pin	35×15×6
BP10200-2000-9B4	(-1dB)9.2-11.2	-0.8	8.2G, >=65dB	12.2G, >=63dB	Φ0.4mm Pin	46×15×7
BP10210-1020-8B4	(-1dB)9.7-10.72	0.8	8.8G, >=75dB	11.2G, >=50dB	Φ0.4mm Pin	49×15×7
BP10250-1500/T-12B3	(-3dB)9.5-11	-0.8	11.3G, >=60dB	--	Φ0.4mm Pin	54×16×7
BP10250-1500-10B4	(-1dB)9.4-11.1	-0.9	9G, >=55dB	11.5G, >=45dB	Φ0.4mm Pin	54×16×7
BP10250-500-8B4	(-1dB)10-10.5	-1.1	9.85G, >=31dB	10.65G, >=32dB	Φ0.4mm Pin	52×15×7
BP10300-200/H-7B4	(-0.5dB)10.2-10.4	-1.3	9.9G, >=65dB	10.6G, >=55dB	Φ0.4mm Pin	55×15×7
BP10400-1600-9B4	(-1dB)9.6-11.2	-0.5	8.8G, >=65dB	12G, >=63dB	Φ0.4mm Pin	46×15×7
BP10400-400-4B4	(-1dB)10.2-10.6	-0.8	12.3G, >=70dB	--	Φ0.4mm Pin	32×15×7
BP10500-1000-6B4	(-1dB)10.0-11.0	-0.7	12.5G, >=68dB	--	Φ0.4mm Pin	37×14×7
BP10500-1000-7B3	(-1dB)10.0-11.0	-0.8	9.6G, >=32dB	11.4G, >=33dB	Φ0.4mm Pin	30×11×6
BP10500-1000-8B4	(-1dB)10.0-11.0	-0.8	9G, >=80dB	12G, >=80dB	Φ0.4mm Pin	49×14×7
BP10500-1000-9B3	(-1dB)10.0-11.0	-0.8	9.5G, >=62dB	12.5G, >=90dB	Φ0.4mm Pin	46×14×6
BP10500-1000-9B4	(-1dB)10.0-11.0	-0.8	9.8G, >=40dB	12G>=80dB	Φ0.4mm Pin	55×14.5×7
BP10500-1100/H-4B3	(-0.5dB)9.9-11.1	-1	9G, >=22dB	12G>=20dB	Φ0.4mm Pin	27×14×12
BP10500-1100/H-7B3	(-0.5dB)9.9-11.1	-1	9G, >=57dB	12G, >=50dB	Φ0.4mm Pin	37×14×12
BP10500-1200-11B4	(-1dB)9.9-11.1	-1	9.4G, >=80dB	11.6G, >=80dB	Φ0.4mm Pin	58×16×7
BP10500-1400-10B3	(-1dB)9.8-11.2	-1	9.6G, >=30dB	11.8G, >=70dB	Φ0.4mm Pin	44×15×6
BP10500-1400-9B4	(-1dB)9.8-11.2	-0.8	12.1G, >=80dB	8.9G, >=82dB	Φ0.4mm Pin	52×14×7
BP10500-1500-11B4	(-1dB)9.75-11.25	-0.8	9.2G, >=73dB	12.8G, >=70dB	Φ0.4mm Pin	55×14.5×7
BP10500-2000-11B3	(-1dB)9.5-11.5	-0.8	8.5G, >=85dB	11.85G, >=32dB	Φ0.4mm Pin	46×14×6
BP10500-2000-13B3	(-1dB)9.5-11.5	-8	9.2G, >=48dB	12.8G, >=45dB	Φ0.4mm Pin	55×14.5×7
BP10500-3000-10B4	(-1dB)8.9-12.1	-0.8	8.5G, >=35dB	13.5G, >=70dB	Φ0.4mm Pin	43×15×7
BP10500A-1200-8B4	(-1dB)9.9-11.1	-0.8	9.5G, >=35dB	11.5G, >=35dB	Φ0.4mm Pin	47×16×7
BP10550-1100-11B3	(-1dB)10.0-11.1	-1	9.8G, >=38dB	11.3G, >=37dB	Φ0.4mm Pin	50×12×6
BP10575-3250-7IN	(-1dB)8.95-12.2	-0.8	7G, >=60dB	13.4G, >=40dB	Φ0.4mm Pin	40×15×8.2
BP10700-1000-8B4	(-1dB)10.2-11.2	-0.8	10G, >=25dB	12G, >=70dB	Φ0.4mm Pin	49×15×7
BP10700-3400-7B4	(-1dB)9.0-12.4	-0.5	7G, >=58dB	14G, >=33dB	Φ0.4mm Pin	34×15×7
BP10750-1000-10B3	(-1dB)10.25-11.25	-0.8	9.8G, >=65dB	11.8G, >=75dB	Φ0.4mm Pin	45×14×6
BP10750-1500/T-12B3	(-3dB)10.0-11.5	-0.8	11.8G, >=60dB	--	Φ0.4mm Pin	54×16×7
BP10750-1500-10B4	(-1dB)10.0-11.5	-0.8	9.5G, >=50dB	12G, >=50dB	Φ0.4mm Pin	54×16×7
BP10750-1600-12B4	(-1dB)9.95-11.55	-0.8	9.25G, >=78dB	12G, >=63dB	Φ0.4mm Pin	55×15×7
BP10750-2500-7IN	(-1dB)9.4-12.1	-0.8	6.5G, >=78dB	14.25G, >=60dB	Φ0.4mm Pin	35×15×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP10750-500-8B4	(-1dB)10.5-11.0	-1	10.35G, >=40dB	11.15G, >=40dB	Φ0.4mm Pin	52×14×7
BP10800-1600-8B4	(-1dB)9.95-11.65	-1	9.3G, >=55dB	11.3G, >=45dB	Φ0.4mm Pin	43×14×6
BP10800-2400-6MC	(-1dB)9.6-12.0	-1	9.1G, >=22dB	12.5G, >=15dB	Φ0.4mm Pin	20×10.5×5
BP10800-2400-8MC	(-1dB)9.6-12.0	-1.3	9.1G, >=28dB	12.5G, >=28dB	Φ0.4mm Pin	24×10.5×5
BP10800-4000-11B4	(-1dB)8.8-12.8	-0.8	6.4G, >=90dB	13.2G, >=27dB	Φ0.4mm Pin	46×15×7
BP10850-2500-11B4	(-1dB)9.5-12.2	-0.8	9.1G, >=42dB	12.6G, >=40dB	Φ0.4mm Pin	55×15×7
BP10871-869-6B3	(-1dB)10.4365-11.3055	-0.8	11.61G, >=27dB	--	Φ0.4mm Pin	25×10×6
BP10900-1800-11B4	(-1dB)10.0-11.8	-0.8	9.4G, >=65dB	12.4G, >=63dB	Φ0.4mm Pin	55×14×7
BP10900-2200-11B4	(-1dB)9.8-12.0	-0.8	8.9G, >=75dB	12.9G, >=70dB	Φ0.4mm Pin	50×15×7
BP10900-2200-9B3	(-1dB)9.8-12.0	-0.8	9.2G, >=47dB	13.4G, >=75dB	Φ0.4mm Pin	37×14×6
BP10900-4400-9B4	(-1dB)8.7-13.1	-0.6	5.8G, >=83dB	--	Φ0.4mm Pin	37×14×7
BP11000-2000-10B4	(-1dB)10.0-12.0	-0.5	9G, >=80dB	13G, >=72dB	Φ0.4mm Pin	49×14×7
BP11000-2000-7B4	(-1dB)10.0-12.0	-0.5	9G, >=47dB	13G, >=41dB	Φ0.4mm Pin	40×15×7
BP11000-2000-8B3	(-1dB)9.9-12.1	-0.5	9G, >=51dB	13G, >=51dB	Φ0.4mm Pin	35×14×6
BP11000-2000-9B4	(-1dB)9.9-12.1	-0.8	9G, >=67dB	13G, >=63dB	Φ0.4mm Pin	46×14×7
BP11000-2050-13B3	(-1dB)9.975-12.025	-0.8	9.5G, >=63dB	12.5G, >=65dB	Φ0.4mm Pin	55×15×6.4
BP11000-2100-12B4	(-1dB)9.95-12.05	-1	9.5G, >=54dB	12.5G, >=47dB	Φ0.4mm Pin	55×15×7
BP11000-2200-8B4	(-1dB)9.9-12.1	-0.5	9G, >=53dB	13G, >=47dB	Φ0.4mm Pin	40×14×7
BP11000-2400-11B3	(-1dB)9.7-12.3	-0.8	8.6G, >=77dB	13.4G, >=75dB	Φ0.4mm Pin	45×14×6
BP11000-2800-11B4	(-1dB)9.55-12.45	-0.8	9.2G, >=35dB	12.8G, >=35dB	Φ0.4mm Pin	43×14×6.4
BP11000-2800-12B4	(-1dB)9.55-12.45	-0.8	8.8G, >=70dB	13.2G, >=65dB	Φ0.4mm Pin	57×16×7
BP11000-4000-17B6SP	(-1dB)9.0-13.0	-0.8	8G, >=90dB	13.5G, >=65dB	SMP	89×14×9
BP11040-960-8B4	(-1dB)10.54-11.54	0.8	9.6G, >=60dB	13.44G, >=77dB	Φ0.4mm Pin	40×14×7
BP11050-2100-11IN	(-1dB)9.95-12.15	-1	9.8G, >=20dB	12.3G, >=20dB	Φ0.4mm Pin	55×14×10
BP11100-2200-8B4	(-1dB)9.95-12.25	-0.8	8.5G, >=70dB	13.8G, >=60dB	Φ0.4mm Pin	40×14.5×7
BP11200-1600-9B4	(-1dB)10.4-12.0	-0.8	8.5G, >=75dB	13.8G, >=62dB	Φ0.4mm Pin	49×14×7
BP11200-2600-10IN	(-1dB)9.7-12.7	-1	6.2G, >=90dB	15G, >=90dB	Φ0.4mm Pin	46×15×7
BP11230-860-8B4	(-1dB)10.8-11.66	-1	9.6G, >=86dB	12.8G, >=85dB	Φ0.4mm Pin	43×14×6
BP11250-1150-7B3	(-1dB)10.65-11.8	-0.8	8.8G, >=85dB	13.65G, >=83dB	Φ0.4mm Pin	34×14×6
BP11250-1500-10B4	(-1dB)10.45-12.05	-0.8	10G, >=55dB	12.5G, >=48dB	Φ0.4mm Pin	54×16×7
BP11250-500-8B4	(-1dB)11.0-11.5	-1.2	10.85G, >=40dB	11.65G, >=35dB	Φ0.4mm Pin	52×14×7
BP11400-1200-9B3	(-1dB)10.8-12.0	-0.8	10.6G, >=28dB	12.8G, >=75dB	Φ0.4mm Pin	44×14×6
BP11400-140-5B4	(-1dB)11.3-11.5	-2	10.8G, >=80dB	12G, >=85dB	Φ0.4mm Pin	43×15×7
BP11400-200-4B4	(-1dB)11.3-11.5	-1.2	10G, >=90dB	12.1G, >=60dB	Φ0.4mm Pin	37×14×7
BP11434-130-4B4	(-1dB)11.359-11.509	-2	8.588G, >=85dB	12.522G, >=75dB	Φ0.4mm Pin	37×14×6
BP11500-1000-6B4	(-1dB)11.0-12.0	-0.8	10G, >=57dB	13G, >=50dB	Φ0.4mm Pin	40×14×7
BP11500-1000-9B3	(-1dB)11.0-12.0	-0.8	10.5G, >=68dB	12.5G, >=60dB	Φ0.4mm Pin	43×13×6
BP11500-1000-9B4	(-1dB)11.0-12.0	-0.8	10.8G, >=32dB	13G, >=80dB	Φ0.4mm Pin	55×14.5×7
BP11500-1100/H-4B3	(-0.5dB)10.8-12.2	-0.8	10G, >=20dB	13G, >=20dB	Φ0.4mm Pin	27×14×12
BP11500-1100/H-7B3	(-0.5dB)10.9-12.1	-1	10G, >=58dB	13G, >=53dB	Φ0.4mm Pin	37×14×12
BP11500-1200-11B4	(-1dB)10.9-12.1	-0.8	10.4G, >=78dB	22G, >=75dB	Φ0.4mm Pin	58×16×7
BP11500-1400-9B4	(-1dB)10.8-12.2	-0.8	13.1G, >=75dB	9.9G, >=80dB	Φ0.4mm Pin	52×14×7
BP11500-1500-11B4	(-1dB)10.75-12.25	-0.8	10.2G, >=73dB	12.8G, >=68dB	Φ0.4mm Pin	55×14×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP11500-2000-11B3	(-1dB)10.4-12.6	-0.8	9.5G, >=85dB	12.85G, >=32dB	Φ0.4mm Pin	46×14×6
BP11500-2000-13B3	(-1dB)10.4-12.6	-0.8	10.2G, >=40dB	12.8G, >=40dB	Φ0.4mm Pin	55×14×7
BP11500-2000-7IN	(-1dB)10.5-12.5	-1	9.7G, >=40dB	13.3G, >=70dB	Φ0.4mm Pin	43×16×8
BP11500-3000-10B4	(-1dB)9.9-13.1	-0.8	9.5G, >=30dB	14.5G, >=68dB	Φ0.4mm Pin	43×14×7
BP11500-3000-8B4	(-1dB)9.9-13.1	-0.5	6.5G, >=85dB	15G, >=62dB	Φ0.4mm Pin	40×14×7
BP11500A-1000-6B4	(-1dB)11.0-12.0	-0.8	13.5G, >=65dB	13.5G, >=85dB	Φ0.4mm Pin	37×14×7
BP11500A-1000-9B3	(-1dB)11.0-12.0	-0.8	10.5G, >=65dB	13.5G, >=82dB	Φ0.4mm Pin	46×14×6
BP11500A-1200-8B4	(-1dB)10.9-12.1	-0.7	10.5G, >=40dB	12.5G, >=36dB	Φ0.4mm Pin	47×16×7
BP11550-1100-11B3	(-1dB)11.0-12.0	-1.2	10.8G, >=35dB	12.2G, >=35dB	Φ0.4mm Pin	50×12×6
BP11600-2200-6B4	(-1dB)10.4-12.8	-0.5	6.35G, >=80dB	15.7G, >=68dB	Φ0.4mm Pin	34×14×7
BP11650-3700-12B4	(-1dB)9.7-13.6	-0.8	8.8G, >=68dB	14.5G, >=58dB	Φ0.4mm Pin	49×14×7
BP11650-3700-7B4	(-1dB)9.65-13.65	-0.8	7.8G, >=50dB	15.5G, >=43dB	Φ0.4mm Pin	37×12.5×7
BP11653-695-6B3	(-1dB)11.303-12.003	-1	12.244G, >=25dB	--	Φ0.4mm Pin	28×10×6
BP11700-1000-8B4	(-1dB)11.2-12.2	-0.5	10.2G, >=78dB	13G, >=70dB	Φ0.4mm Pin	49×15×7
BP11700-1800-11B4	(-1dB)10.75-12.65	-0.5	10.2G, >=70dB	13.2G, >=60dB	Φ0.4mm Pin	55×13.5×6
BP11725-2090-5B4	(-1dB)10.475-12.975	-0.5	5.75G, >=70dB	17.95G, >=60dB	Φ0.4mm Pin	31×14×7
BP11750-1500-9B4	(-1dB)11.0-12.5	-0.5	10G, >=80dB	13.5G, >=75dB	Φ0.4mm Pin	49×14×7
BP11750-1600-12B4	(-1dB)10.95-12.55	-1	10.25G, >=85dB	13G, >=65dB	Φ0.4mm Pin	55×14×7
BP11750-500-8B4	(-1dB)11.5-12.0	-1.2	11.35G, >=35dB	12.15G, >=30dB	Φ0.4mm Pin	52×14×7
BP11800-1100-5ML	(-1dB)11.25-12.35	-1.2	3.2G, >=68dB	14.5G, >=58dB	Φ0.4mm Pin	34×13×7
BP11800-2000-6B4	(-1dB)10.6-13.0	-0.8	6.4G, >=85dB	16.2G, >=65dB	Φ0.4mm Pin	34×15×7
BP11850-1100-10B4	(-1dB)11.3-12.4	-1	10.9G, >=65dB	12.6G, >=38dB	Φ0.4mm Pin	58×14×7
BP11900-1000-11B4	(-1dB)11.4-12.4	-1	11.2G, >=40dB	12.6G, >=42dB	Φ0.4mm Pin	64×14×7
BP11900-1900-5B4	(-1dB)10.8-13.0	-0.5	--	18.15G, >=67dB	Φ0.4mm Pin	31×14×7
BP11900-2600-13B4	(-1dB)10.5-13.3	-0.9	10G, >=65dB	--	Φ0.4mm Pin	58×14×7
BP12000-960-8B4	(-1dB)11.45-12.55	-0.5	10.52G, >=52dB	14.4G, >=73dB	Φ0.4mm Pin	40×14×7
BP12000-1000-5B4	(-1dB)11.4-12.6	-0.8	7.6G, >=88dB	16.4G, >=80dB	Φ0.4mm Pin	34×14×7
BP12000-1600-9B4	(-1dB)11.2-12.8	-0.8	10.4G, >=65dB	13.6G, >=60dB	Φ0.4mm Pin	49×14×7
BP12000-2000-10B4	(-1dB)10.95-13.05	-0.7	10G, >=75dB	14G, >=65dB	Φ0.4mm Pin	49×14×7
BP12000-3000-12B4	(-1dB)10.5-13.5	-1	9.5G, >=80dB	14.5G, >=72dB	Φ0.4mm Pin	53×14×7
BP12000-3000-13B4	(-1dB)10.5-13.5	-1	10.3G, >=20dB	13.7G, >=15dB	Φ0.4mm Pin	61×13×7
BP12000-4400-10B4	(-1dB)9.65-14.35	-1	8.2G, >=62dB	15.8G, >=50dB	Φ0.4mm Pin	43×14×9
BP12000-6000-12B4	(-1dB)8.85-15.15	-0.8	7G, >=76dB	17G, >=60dB	Φ0.4mm Pin	46×13×7
BP12125-1750-7B4	(-1dB)11.175-13.075	-0.5	10.25G, >=55dB	14G, >=50dB	Φ0.4mm Pin	40×14×7
BP12200-2000-9B4	(-1dB)11.1-13.3	-0.5	10.2G, >=62dB	14.2G, >=60dB	Φ0.4mm Pin	46×14×7
BP12250-1150-7B3	(-1dB)11.55-12.95	-0.8	9.8G, >=85dB	14.65G, >=84dB	Φ0.4mm Pin	34×14×6
BP12300-4200-11B4	(-1dB)10.2-14.4	-0.5	8G, >=85dB	16G, >=70dB	Φ0.4mm Pin	46×14×7
BP12350-200-4B3	(-1dB)12.25-12.45	-1.3	11.95G, >=30dB	12.75G, >=30dB	Φ0.4mm Pin	26×9×6
BP12400-1600-8B4	(-1dB)11.55-13.25	-0.6	10.9G, >=52dB	13.9G, >=48dB	Φ0.4mm Pin	46×13×6
BP12500-1000-6B4	(-1dB)12.0-13.0	-0.8	14.5G, >=68dB	--	Φ0.4mm Pin	40×14×7
BP12500-1000-9B3	(-1dB)12.0-13.0	-0.8	10.5G, >=88dB	13.5G, >=61dB	Φ0.4mm Pin	46×13×6
BP12500-1000-9B4	(-1dB)12.0-13.0	-0.8	11.8G, >=30dB	14G, >=76dB	Φ0.4mm Pin	55×14.5×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP12500-1100/H-4B3	(-0.5dB)11.85-13.15	-0.6	11G, >=20dB	14G, >=18dB	Φ0.4mm Pin	27×14×12
BP12500-1100/H-7B3	(-0.5dB)11.8-13.2	-1	11G, >=52dB	14G, >=50dB	Φ0.4mm Pin	37×14×12
BP12500-1400-9B4	(-1dB)11.8-13.2	-0.7	10.9G, >=80dB	14.1G, >=75dB	Φ0.4mm Pin	52×14×7
BP12500-1500-11B4	(-1dB)11.6-13.4	-0.8	11G, >=62dB	14G, >=60dB	Φ0.4mm Pin	55×13.5×7
BP12500-1800-11B4	(-1dB)11.55-13.45	-0.8	11.2G, >=72dB	13.8G, >=70dB	Φ0.4mm Pin	55×13.5×6
BP12500-2000-13B3	(-1dB)11.5-13.5	-0.8	11.2G, >=48dB	13.8G, >=50dB	Φ0.4mm Pin	55×13.5×7
BP12500-240-6B4	(-1dB)12.35-12.65	-1.5	12.1G, >=55dB	12.9G, >=52dB	Φ0.4mm Pin	46×17×7
BP12500-3200-10B4	(-1dB)10.9-14.1	-0.5	9.9G, >=58dB	16.3G, >=75dB	Φ0.4mm Pin	46×14×7
BP12600-1200-10B4	(-1dB)12.0-13.2	-0.9	11.4G, >=75dB	13.8G, >=75dB	Φ0.4mm Pin	55×14×7
BP12700-2000-7B4	(-1dB)11.55-13.85	-0.6	8.5G, >=80dB	--	Φ0.4mm Pin	37×14×7
BP12700-3000-8IN	(-1dB)11.15-14.15	-1	10.2G, >=47dB	15.2G, >=40dB	Φ0.4mm Pin	49×14×9
BP12700-700/H-6B4	(-0.5dB)12.35-13.05	-0.8	11.5G, >=60dB	14.5G, >=72dB	Φ0.4mm Pin	43×13×7
BP12800-2400-6MC	(-1dB)11.5-14.1	-1	11.1G, >=17dB	14.5G, >=12dB	Φ0.4mm Pin	20×9.5×4
BP12800-2400-8MC	(-1dB)11.45-14.15	-1.8	11.1G, >=30dB	14.5G, >=28dB	Φ0.4mm Pin	24×9.5×4
BP12940-3920-11B4	(-1dB)10.94-14.94	-0.5	9.5G, >=77dB	16.5G, >=67dB	Φ0.4mm Pin	46×14.5×7
BP13000-1000-7B4	(-1dB)12.45-13.55	-0.7	11.5G, >=65dB	14.5G, >=60dB	Φ0.4mm Pin	43×14×7
BP13000-2000-10B4	(-1dB)11.9-14.1	-0.8	11G, >=72dB	15G, >=67dB	Φ0.4mm Pin	52×13×6
BP13000-2000-7B4	(-1dB)11.85-14.15	-0.5	9G, >=40dB	13G, >=30dB	Φ0.4mm Pin	40×14×7
BP13000-2050-13B3	(-1dB)11.95-14.05	-0.8	11.5G, >=65dB	14.5G, >=65dB	Φ0.4mm Pin	55×14×6.4
BP13000-2100-12B4	(-1dB)11.95-14.05	-0.8	11.5G, >=65dB	14.5G, >=50dB	Φ0.4mm Pin	55×14×7
BP13000-2200-8B4	(-1dB)11.85-14.15	-0.5	11G, >=50dB	15G, >=46dB	Φ0.4mm Pin	43×13×7
BP13000-2800-12B4	(-1dB)11.5-14.5	-0.8	10.8G, >=62dB	15.2G, >=65dB	Φ0.4mm Pin	57×16×7
BP13000-600-8B4B	(-1dB)12.6-13.4	-1.2	9.7G, >=80dB	--	Φ0.4mm Pin	50×13×7
BP13050-2100-11IN	(-1dB)12.0-14.1	-1	11.8G, >=18dB	14.3G, >=15dB	Φ0.4mm Pin	55×13×10
BP13100-1400-7B3	(-1dB)12.35-13.85	-0.8	10.5G, >=80dB	14.368G, >=34dB	Φ0.4mm Pin	34×13×6
BP13100-2200-7B4B	(-1dB)14.35-16.85	-0.5	7G, >=85dB	18G, >=78dB	Φ0.4mm Pin	43×14×7
BP13200-1800-10B4	(-1dB)12.25-14.15	-0.5	11.8G, >=50dB	14.8G, >=62dB	Φ0.4mm Pin	55×13×7
BP13200-2200-8B4	(-1dB)11.9-14.5	-0.5	10.5G, >=65dB	15.9G, >=60dB	Φ0.4mm Pin	40×14×7
BP13200-2400-7B4	(-1dB)11.75-14.65	-0.8	7.2G, >=85dB	18G, >=72dB	Φ0.4mm Pin	37×13×7
BP13240-1560-10B4	(-1dB)12.48-14.0	-0.7	11.52G, >=78dB	15.36G, >=78dB	Φ0.4mm Pin	55×14×7
BP13250-1500-9B4	(-1dB)12.5-14.0	-0.8	11.5G, >=70dB	15G, >=65dB	Φ0.4mm Pin	49×14×7
BP13300-1000-11B3	(-1dB)12.8-13.8	-1	12.6G, >=42dB	14.8G, >=80dB	Φ0.4mm Pin	52×14×6
BP13300-1800-11B3	(-1dB)12.35-14.25	-0.8	11.8G, >=65dB	14.8G, >=61dB	Φ0.4mm Pin	52×13×6
BP13300-2200-8B4	(-1dB)12.1-14.5	-0.6	10G, >=80dB	16G, >=62dB	Φ0.4mm Pin	43×14×7
BP13300-2600-10IN	(-1dB)12.0-14.6	-1.2	11G, >=72dB	15.6G, >=60dB	Φ0.4mm Pin	58×14×8.2
BP13300-600-8B4	(-1dB)13.0-13.6	-1.2	13.7G, >=16dB	18G, >=65dB	Φ0.4mm Pin	55×13×7
BP13360-4000-9B4	(-1dB)11.21-15.51	-0.7	7.68G, >=86dB	22G, >=52dB	Φ0.4mm Pin	40×14×7
BP13400-1800-8B4	(-1dB)12.45-14.35	-0.7	11.6G, >=52dB	15.2G, >=52dB	Φ0.4mm Pin	46×13×7
BP13477.5-1075-10B4	(-1dB)12.94-14.015	-0.8	12.45G, >=68dB	14.5G, >=64dB	Φ0.4mm Pin	58×13.5×7
BP13500-1000/H-7B4	(-0.5dB)13.0-14.0	-0.8	12.7G, >=30dB	14.3G, >=26dB	Φ0.4mm Pin	40×12.5×7
BP13500-1000-6B4	(-1dB)12.95-14.05	-0.8	15.5G, >=64dB	--	Φ0.4mm Pin	40×14×7
BP13500-1000-9B3	(-1dB)13.0-14.0	-1	14.5G, >=65dB	11.5G, >=85dB	Φ0.4mm Pin	46×13×6
BP13500-1000-9B4	(-1dB)13.0-14.0	-0.8	12.8G, >=30dB	15G, >=80dB	Φ0.4mm Pin	55×14.5×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP13500-1100/H-4B3	(-0.5dB)12.85-14.15	-0.8	12G, >=20dB	15G, >=18dB	SMA-K	27×14×12
BP13500-1100/H-7B3	(-0.5dB)12.9-14.1	-1.2	12G, >=60dB	15G, >=50dB	SMA-K	37×14×12
BP13500-1400-9B4	(-1dB)12.8-14.2	-0.8	11.9G, >=85dB	15.1G, >=78dB	Φ0.4mm Pin	52×12.5×7
BP13500-1500-10B3	(-1dB)12.75-14.25	-0.9	12.3G, >=57dB	14.7G, >=55dB	Φ0.4mm Pin	46×13×6
BP13500-1500-11B3	(-1dB)12.75-14.25	-1	12.2G, >=68dB	14.8G, >=68dB	Φ0.4mm Pin	52×12.5×6
BP13500-2000-12B3	(-1dB)12.45-14.55	-0.9	12.2G, >=38dB	14.8G, >=38dB	Φ0.4mm Pin	52×12.5×6
BP13500-2200-9B4	(-1dB)12.25-14.75	-0.5	9.9G, >=80dB	16G, >=70dB	Φ0.4mm Pin	46×13×7
BP13550-500-6B4	(-1dB)13.25-13.85	-1	12.6G, >=65dB	15G, >=80dB	Φ0.4mm Pin	43×13×7
BP13600-700-8B4	(-1dB)13.25-13.95	-1.2	12.54G, >=84dB	30G, >=82dB	Φ0.4mm Pin	40×14×7
BP13600-1200-9B4	(-1dB)12.95-14.25	-0.8	12.4G, >=62dB	16.1G, >=80dB	K-K	52×13×7
BP13600-3400-10IN	(-1dB)11.75-15.45	-1	7.6G, >=92dB	18G, >=90dB	Φ0.4mm Pin	46×14×7
BP13600-4200-10B4	(-1dB)11.4-15.8	-0.5	10G, >=60dB	17.2G, >=60dB	Φ0.4mm Pin	43×13×7
BP13700-600-8B4	(-1dB)13.4-14.0	-1.2	14.1G, >=15dB	16G, >=78dB	Φ0.4mm Pin	55×13×7
BP13700-4400-10B4	(-1dB)11.4-16.0	-0.5	10.4G, >=50dB	17G, >=48dB	Φ0.4mm Pin	45×12.5×6
BP13720-2000-7B4	(-1dB)12.62-14.82	-0.6	11.04G, >=68dB	15.9G, >=45dB	Φ0.4mm Pin	40×13×7
BP13720-2000-10B4	(-1dB)12.67-14.77	-0.5	11.8G, >=74dB	15.7G, >=70dB	Φ0.4mm Pin	52×12.5×7
BP13750-1500-7IN	(-1dB)12.9-14.6	-0.8	11G, >=68dB	16.5G, >=78dB	Φ0.4mm Pin	40×14×7
BP13750-2500-11B4	(-1dB)12.45-15.05	-1	12.25G, >=22dB	15.25G, >=20dB	Φ0.4mm Pin	54×12.5×7
BP13780-1000-6B4	(-1dB)13.23-14.33	-0.8	12.58G, >=45dB	14.98G, >=42dB	Φ0.4mm Pin	37×12.5×6.8
BP13950-1500-11B4	(-1dB)13.2-14.7	-1	12.7G, >=70dB	16.3G, >=82dB	Φ0.4mm Pin	58×13×7
BP14000-1600-8B4	(-1dB)13.1-14.9	-0.6	12.5G, >=48dB	15.5G, >=45dB	Φ0.4mm Pin	46×13×6
BP14000-1800-10B4	(-1dB)13.1-14.9	-0.8	12.6G, >=54dB	15.6G, >=60dB	Φ0.4mm Pin	55×13×7
BP14000-2000-10B4	(-1dB)12.9-15.1	-0.8	12G, >=72dB	16G, >=72dB	Φ0.4mm Pin	52×13×6
BP14000-4000-7B4	(-1dB)11.9-16.1	-0.8	10G, >=45dB	18G, >=40dB	Φ0.4mm Pin	37×13×7
BP14000-4000-9B4	(-1dB)11.95-16.05	-0.5	8G, >=90dB	18G, >=70dB	Φ0.4mm Pin	43×13×7
BP14000-4000-12B4	(-1dB)11.9-16.1	-0.5	11G, >=68dB	17G, >=62dB	Φ0.4mm Pin	52×13×7
BP14000-4700-12B4	(-1dB)11.6-16.4	-0.8	10G, >=85dB	20G, >=82dB	Φ0.4mm Pin	49×13×7
BP14075-1000-5B4	(-1dB)13.475-14.675	-0.5	12.075G, >=52dB	16.075G, >=48dB	Φ0.4mm Pin	37×13×7
BP14075-1200/T-5B4	(-3dB)13.475-14.675	-0.5	11.575G, >=68dB	16.575G, >=65dB	Φ0.4mm Pin	34×12.5×7
BP14100-1200-4B4	(-1dB)13.2-15.0	-0.5	7.3G, >=70dB	20.4G, >=60dB	Φ0.4mm Pin	27×13×7
BP14100-1800-11B3	(-1dB)13.15-15.05	-0.8	15.6G, >=65dB	12.6G, >=65dB	Φ0.4mm Pin	49×13×6
BP14100-2000-8B4	(-1dB)13.0-15.2	-0.6	11.1G, >=85dB	16.2G, >=54dB	Φ0.4mm Pin	40×13×8
BP14100-4000-6Z	(-1dB)12.0-16.2	-1.5	10.7G, >=34dB	17.5G, >=25dB	Φ0.4mm Pin	31×14.5×7
BP14143-4286-8QC	(-1dB)11.993-16.293	-1	8.143G, >=68dB	18G, >=50dB	Φ0.4mm Pin	40×13×8
BP14200-2000-9B4	(-1dB)13.1-15.3	-0.5	12.2G, >=62dB	16.2G, >=62dB	Φ0.4mm Pin	49×13×7
BP14250-3500-7B4	(-1dB)12.3-16.2	-0.8	10.5G, >=50dB	18G, >=45dB	Φ0.4mm Pin	37×12.5×7
BP14250-4500-10IN	(-1dB)11.85-16.65	-1	8.25G, >=82dB	18G, >=54dB	Φ0.4mm Pin	43×13×7
BP14250-500-5B4	(-1dB)13.95-14.55	-0.8	13.55G, >=36dB	14.95G, >=35dB	Φ0.4mm Pin	35×9×7
BP14400-3800-9B4	(-1dB)12.35-16.45	-0.5	9.6G, >=80dB	--	Φ0.4mm Pin	41×13×7
BP14400-6400-12B4	(-1dB)11.05-17.75	-0.6	8.8G, >=82dB	--	Φ0.4mm Pin	46×13×7
BP14500-1000-9B3	(-1dB)14.0-15.0	-1	12.5G, >=85dB	15.5G, >=68dB	Φ0.4mm Pin	46×12.5×6
BP14500-1000-9B4	(-1dB)13.95-15.05	-0.8	13.8G, >=25dB	16G, >=78dB	Φ0.4mm Pin	55×14.5×7



Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP14500-1100/H-4B3	(-0.5dB)13.85-15.15	-0.8	13G, >=20dB	16G, >=18dB	SMA-K	27×14×12
BP14500-1100/H-7B3	(-0.5dB)13.9-15.1	-1	13G, >=60dB	16G, >=55dB	SMA-K	37×14×12
BP14500-1300-10B4	(-1dB)13.985-15.015	-1	13.515G, >=68dB	15.485G, >=62dB	Φ0.4mm Pin	58×13.5×7
BP14500-1400-9B4	(-1dB)13.8-15.2	-0.8	12.9G, >=85dB	16.1G, >=75dB	Φ0.4mm Pin	52×12.5×7
BP14500-1500-11B3	(-1dB)13.7-15.3	-0.8	13.2G, >=68dB	15.8G, >=65dB	Φ0.4mm Pin	52×12.5×6
BP14500-2000-12B3	(-1dB)13.45-15.55	-0.9	12.2G, >=35dB	15.8G, >=35dB	Φ0.4mm Pin	52×12.5×6
BP14500-3000-7B4	(-1dB)13.0-16.0	-0.8	8G, >=88dB	19G, >=68dB	Φ0.4mm Pin	46×13×7
BP14500-4000-9B4	(-1dB)12.4-16.6	-0.5	10.3G, >=78dB	18.7G, >=65dB	Φ0.4mm Pin	43×13×7
BP14500-600-8B4	(-1dB)14.15-14.85	-1.2	13.7G, >=75dB	15.3G, >=68dB	Φ0.4mm Pin	55×13×7
BP14550-1600-4B4	(-1dB)13.75-15.35	-0.5	8.4G, >=65dB	16.9G, >=25dB	Φ0.4mm Pin	28×13×7
BP14600-3700-7B4	(-1dB)12.65-16.55	-0.5	9.25G, >=78dB	19.95G, >=70dB	Φ0.4mm Pin	34×13×7
BP14600-800-8B4	(-1dB)14.15-15.05	-1	13.6G, >=65dB	16.4G, >=80dB	Φ0.4mm Pin	52×13×7
BP14625-1020/T-6B3	(-3dB)14.025-15.225	-0.8	12G, >=84dB	18G, >=75dB	Φ0.4mm Pin	35×12×6
BP14750-1500-9B4	(-1dB)14.0-15.5	-0.8	13G, >=68dB	16.5G, >=65dB	Φ0.4mm Pin	49×14×7
BP14750-700-5B4	(-1dB)14.4-15.1	-0.9	12.75G, >=75dB	16.75G, >=70dB	Φ0.4mm Pin	37×13×7
BP14800-1800-10B4	(-1dB)13.9-15.7	-0.8	13.2G, >=62dB	16.2G, >=52dB	Φ0.4mm Pin	55×13×7
BP14800-2000-7B4P	(-1dB)13.65-15.95	-0.6	12G, >=70dB	18.8G, >=75dB	Φ0.4mm Pin	40×13×7
BP14800-2400-6MC	(-1dB)13.5-16.1	-1.6	13.1G, >=18dB	16.5G, >=18dB	Φ0.4mm Pin	20×8.5×4
BP14800-2400-8MC	(-1dB)13.6-16.0	-1.6	13.1G, >=19dB	16.5G, >=20dB	Φ0.4mm Pin	24×8.5×4
BP14850-5700-8B4	(-1dB)11.9-17.8	-1.2	9G, >=60dB	18.7G, >=22dB	Φ0.4mm Pin	37×13×7
BP14900-1800-11B3	(-1dB)13.95-15.85	-0.9	13.4G, >=65dB	16.4G, >=65dB	Φ0.4mm Pin	49×12.5×6
BP14975-2100-13B3	(-1dB)13.925-16.025	-0.9	13.5G, >=60dB	16.5G, >=60dB	Φ0.4mm Pin	55×13×6
BP15000-200-3B4	(-1dB)14.9-15.1	-1	7.5G, >=90dB	22.5G, >=90dB	2.92-K	31×13×7
BP15000-1000-6B4	(-1dB)14.5-15.5	-0.8	12G, >=78dB	17G, >=68dB	Φ0.4mm Pin	40×13×7
BP15000-1100-6Z	(-1dB)14.35-15.65	-1.3	13.8G, >=35dB	16.2G, >=34dB	Φ0.4mm Pin	42×12×7
BP15000-1400-4B4	(-1dB)14.2-15.8	-0.6	10.5G, >=78dB	19.2G, >=68dB	Φ0.4mm Pin	30×12.5×7
BP15000-2000-10B4	(-1dB)13.9-16.1	-0.5	13G, >=65dB	17G, >=65dB	Φ0.4mm Pin	52×13×6
BP15000-2000-11B4	(-1dB)13.85-16.15	-1	13.5G, >=40dB	16.5G, >=40dB	Φ0.4mm Pin	57×12.5×7
BP15000-2000-7B4	(-1dB)13.95-16.05	-0.6	13G, >=44dB	17G, >=44dB	Φ0.4mm Pin	40×13×7
BP15000-2100-12B4	(-1dB)13.9-16.1	-0.9	13.5G, >=50dB	16.5G, >=52dB	Φ0.4mm Pin	58×13×7
BP15000-2200-8B4	(-1dB)13.9-16.1	-0.5	13G, >=48dB	17G, >=48dB	Φ0.4mm Pin	43×13×7
BP15000-2800-12B4	(-1dB)13.5-16.5	-0.9	12.8G, >=65dB	17.2G, >=62dB	Φ0.4mm Pin	57×16×7
BP15000-3000/H-9B4	(-0.5dB)13.5-16.5	-0.8	17.5G, >=45dB	--	Φ0.4mm Pin	46×12×7
BP15000-6000-11CP	(-1dB)11.75-18.25	-0.6	9G, >=92dB	19G, >=35dB	SMP	50×12×8
BP15000-6000-11B3	(-1dB)11.9-18.1	-0.6	10G, >=68dB	--	Φ0.4mm Pin	36.9×12.5×6
BP15050-1700-7B4	(-1dB)14.2-15.9	-0.7	16.8G, >=38dB	12.1G, >=76dB	Φ0.4mm Pin	40×13×7
BP15050-2100-11IN	(-1dB)14.0-16.1	-1.1	13.8G, >=18dB	16.3G, >=20dB	Φ0.4mm Pin	55×13×10
BP15250-1500-5B4	(-1dB)14.5-16.0	-0.5	12000G, >=57dB	—	Φ0.4mm Pin	32×12×7
BP15350-4700-13B4	(-1dB)12.5-18.2	-0.7	11.5G, >=61dB	19.2G, >=60dB	Φ0.4mm Pin	52×13×7
BP15500-1000-11B3	(-1dB)15.0-16.0	-1.2	14.5G, >=80dB	16.5G, >=80dB	Φ0.4mm Pin	55×12.5×6
BP15500-1000-9B3	(-1dB)15.0-16.0	-1	16.5G, >=68dB	13.5G, >=85dB	Φ0.4mm Pin	46×12.5×6
BP15500-1000-9B4	(-1dB)15.0-16.0	-0.8	14.8G, >=30dB	17G, >=78dB	Φ0.4mm Pin	55×14.5×7
BP15500-1100/H-4B3	(-0.5dB)15.0-16.0	-0.7	14G, >=50dB	17G, >=53dB	Φ0.4mm Pin	27×14×12

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP15500-1100/H-7B3	(-0.5dB)14950-16050	-1.2	14G, >=50dB	17G, >=53dB	Φ0.4mm Pin	37×14×12
BP15500-1400-9B4	(-1dB)14.8-16.2	-1	18.5G, >=78dB	13.9G, >=85dB	Φ0.4mm Pin	52×12.5×7
BP15500-1500-11B3	(-1dB)14.75-16.25	-1	14.2G, >=68dB	16.8G, >=67dB	Φ0.4mm Pin	52×12.5×6
BP15500-2000-12B3	(-1dB)14.5-16.5	-1	13.2G, >=36dB	16.8G, >=37dB	Φ0.4mm Pin	52×12.5×6
BP15500A-1000-8C	(-1dB)15.0-16.0	-1	14G, >=78dB	30G, >=75dB	Φ0.4mm Pin	52×12.5×7
BP15600-1600-8B4	(-1dB)14.8-16.4	-0.6	14.1G, >=50dB	17.1G, >=50dB	Φ0.4mm Pin	46×12.5×6
BP15600-1800-10B4	(-1dB)14.7-16.5	-0.8	17G, >=50dB	14G, >=62dB	Φ0.4mm Pin	55×13×7
BP15650-1300-10B4	(-1dB)15.0-16.3	-0.8	14.3G, >=80dB	17G, >=78dB	Φ0.4mm Pin	58×12.5×7
BP15700-1800-11B3	(-1dB)14.8-16.6	-0.8	17.2G, >=65dB	14.2G, >=68dB	Φ0.4mm Pin	49×12.5×6
BP15700-400-6B3	(-1dB)15.5-15.9	-1.5	15.3G, >=30dB	20G, >=27dB	Φ0.4mm Pin	38×12.5×7
BP15750-2500-9B4	(-1dB)14.5-17.0	-0.5	12.6G, >=83dB	21G, >=85dB	Φ0.4mm Pin	46×13×7
BP15955-400-5B5	(-1dB)15.755-16.155	-0.6	14.9G, >=47dB	—	Φ0.4mm Pin	58×14×7
BP16000-1000-7B4	(-1dB)15.5-16.5	-0.7	14.1G, >=80dB	17.34G, >=70dB	Φ0.4mm Pin	40×9×8
BP16000-1600-13B4	(-1dB)15.2-16.8	-0.9	11.6G, >=78dB	13.6G, >=77dB	Φ0.4mm Pin	45×12.5×7
BP16000-2000-11B4	(-1dB)15-17	-1.2	14.5G, >=42dB	17.5G, >=40dB	Φ0.4mm Pin	52×13×6
BP16000-4000-8PC	(-1dB)14-18	-0.7	9G, >=80dB	21G, >=77dB	Φ0.4mm Pin	57×12.5×7
BP16000-4400-10B4	(-1dB)13.8-18.2	-1	12.2G, >=68dB	19.8G, >=58dB	Φ0.4mm Pin	40×13×7
BP16000-4400-9B4	(-1dB)13.8-18.2	-0.5	12G, >=70dB	—	Φ0.4mm Pin	43×12.5×7
BP16000-820-7B4	(-1dB)15.59-16.41	-1.2	14.2G, >=75dB	—	Φ0.4mm Pin	47×13×7
BP16000A-2000-10B4	(-1dB)15-17	-0.6	14G, >=56dB	18G, >=72dB	Φ0.4mm Pin	52×13×6
BP16150-1100-4B4	(-1dB)15.6-16.7	-0.6	12G, >=60dB	20.3G, >=50dB	Φ0.4mm Pin	30×12.5×7
BP16200-1000-6B4	(-3dB)15.7-16.7	-0.6	13.4G, >=87dB	—	Φ0.4mm Pin	40×12.5×7
BP16200-1000-7B4	(-1dB)15.7-16.7	-0.8	14G, >=86dB	20G, >=82dB	Φ0.4mm Pin	46×12.5×7
BP16200-1100-6B4	(-1dB)15.65-16.75	-0.8	14.7G, >=56dB	17.7G, >=52dB	Φ0.4mm Pin	40×12.5×7
BP16200-1200-5B4	(-1dB)15.6-16.8	-1.3	4.25G, >=50dB	—	Φ0.4mm Pin	31×9×7
BP16200-1200-6B4	(-1dB)15.6-16.8	-1.4	4.25G, >=65dB	—	Φ0.4mm Pin	37×9×7
BP16200-2000-9B4	(-1dB)15.2-17.2	-0.5	14.2G, >=65dB	18.2G, >=65dB	Φ0.4mm Pin	49×13×7
BP16200-3600-7B4	(-1dB)14.4-18	-0.5	9G, >=85dB	24G, >=78dB	Φ0.3mm Pin	37×13×7
BP16200-400-7B4	(-1dB)16-16.4	-2.5	15.8G, >=37dB	16.6G, >=36dB	Φ0.4mm Pin	53×12.5×7
BP16200A-1200-5B4	(-1dB)15.6-16.8	-0.8	4.25>=50	—	Φ0.4mm Pin	35×9×7
BP16250-1500-9B4	(-1dB)15.5-17	-0.5	14.5G, >=75dB	18G, >=72dB	Φ0.4mm Pin	49×14×7
BP16250-300-6B4	(-1dB)16.1-16.4	-1.5	15G, >=80dB	17.2G, >=85dB	Φ0.4mm Pin	46×13×7
BP16250-600-5B4	(-1dB)15.85-16.65	-0.9	14.65G, >=65dB	17.85G, >=65dB	Φ0.4mm Pin	37×13×7
BP16300-600-5B3	(-1dB)16-16.6	-0.8	17.9G, >=58dB	--	Φ0.3mm Pin	30×12×6
BP16400-1200-9B4	(-1dB)15.8-17	-0.9	15G, >=78dB	17.8G, >=73dB	Φ0.4mm Pin	55×12.5×7
BP16400-1800-10B4	(-1dB)15.5-17.3	-0.8	17.8G, >=55dB	14.8G, >=70dB	Φ0.4mm Pin	55×12.5×7
BP16450-500-6B4	(-1dB)16.2-16.7	-1.2	15G, >=80dB	17.4G, >=60dB	Φ0.4mm Pin	43×13×7
BP16497.5-1005-8B4	(-1dB)15.995-17	-0.9	15G, >=50dB	20.5G, >=45dB	Φ0.4mm Pin	49×12.5×7
BP16500-700-6B4	(-1dB)16.1-16.9	-0.9	13.5G, >=82dB	19.1G, >=82dB	Φ0.4mm Pin	43×12.5×7
BP16500-1000-9B4	(-1dB)16.0-17.0	-1.5	15G, >=75dB	18G, >=75dB	Φ0.4mm Pin	55×14.5×7
BP16500-1100/H-4B3	(-0.5dB)15.95-17.05	-0.8	15G, >=20dB	18G, >=20dB	Φ0.4mm Pin	27×14×12
BP16500-1100/H-7B3	(-0.5dB)15.9-17.1	-1.3	15G, >=55dB	18G, >=58dB	Φ0.4mm Pin	37×14×12

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP16500-1400-9B4	(-1dB)15.75-17.25	-1	14.9G, >=75dB	18.1G, >=75dB	Φ0.4mm Pin	52×12.5×7
BP16500-1500-11B3	(-1dB)15.7-17.3	-1	15.2G, >=62dB	17.8G, >=62dB	Φ0.4mm Pin	55×12.5×6
BP16500-1800-11B3	(-1dB)15.6-17.4	-1	14.2G, >=70dB	18G, >=65dB	Φ0.4mm Pin	49×12.5×6
BP16500-2000-11B3	(-1dB)15.5-17.5	-1	14.2G, >=35dB	17.8G, >=38dB	Φ0.4mm Pin	55×12.5×6
BP16500-2000-11B4	(-1dB)15.45-17.55	-0.8	14.7G, >=75dB	18.3G, >=74dB	Φ0.4mm Pin	56×12.5×7
BP16500-3000-6B4	(-1dB)14.8-18.2	-0.6	13.5G, >=37dB	22.5G, >=60dB	Φ0.4mm Pin	34×12.5×7
BP16600-3200-7B4	(-1dB)14.7-18.5	-0.7	13G, >=50dB	20.2G, >=45dB	Φ0.4mm Pin	37×12.5×7
BP16700-2000/H-10B4	(-0.5dB)15.775-17.625	-0.6	14.7G, >=72dB	18.7G, >=70dB	Φ0.4mm Pin	55×12.5×7
BP16700-2000-10B4	(-1dB)15.65-17.75	-0.5	14.72G, >=70dB	18.68G, >=72dB	Φ0.4mm Pin	55×12.5×7
BP16700-2400-7IN	(-1dB)15.5-17.9	-1.2	13.8G, >=60dB	18.7G, >=72dB	Φ0.4mm Pin	34×11×7
BP16800-700-7B4	(-1dB)16.45-17.15	-0.7	15.5G, >=75dB	18G, >=72dB	Φ0.4mm Pin	49×12.5×7
BP16800-2400-9IN	(-1dB)15.55-18.05	-1.3	14.4G, >=72dB	19.2G, >=65dB	Φ0.4mm Pin	58×13×8.2
BP16850-2300-7B4	(-1dB)15.7-17.95	-0.6	14G, >=60dB	20G, >=60dB	Φ0.4mm Pin	40×12×7
BP16900-2200-7B4	(-1dB)15.8-18.0	-0.6	14.2G, >=50dB	20G, >=50dB	Φ0.4mm Pin	40×13×7
BP17000-2000-10B4	(-1dB)16.0-18.0	-0.8	15G, >=60dB	19G, >=60dB	Φ0.4mm Pin	52×13×6
BP17000-2000-10B4SP	(-1dB)16.0-18.0	-1.5	15G, >=70dB	19G, >=70dB	SMP-J	52×15×7
BP17000-2000-10IN	(-1dB)16.0-18.0	-1	15.8G, >=15dB	18.2G, >=15dB	Φ0.4mm Pin	55×13×10
BP17000-2000-7B4	(-1dB)16.0-18.0	-1.5	15G, >=45dB	19G, >=45dB	Φ0.4mm Pin	40×12.5×7
BP17000-2000-8B4	(-1dB)16.0-18.0	-1	15.6G, >=25dB	--	Φ0.4mm Pin	45×13×10
BP17000-2000-9B4L	(-1dB)16.0-18.0	-0.5	15.6G, >=30dB	18.4G, >=30dB	Φ0.4mm Pin	52×12.5×7
BP17000-2050-13B3	(-1dB)15.975-18.025	-1	15.5G, >=75dB	18.5G, >=65dB	Φ0.4mm Pin	55×12.5×6
BP17000-2100-12B4	(-1dB)15.95-18.05	-1.3	15.5G, >=55dB	18.5G, >=55dB	Φ0.4mm Pin	58×13×7
BP17000-2200-8B4	(-1dB)15.9-18.1	-0.8	15G, >=45dB	19G, >=45dB	Φ0.4mm Pin	43×13×7
BP17000-2800-12B4	(-1dB)15.6-18.4	-0.8	14.8G, >=65dB	20.2G, >=68dB	Φ0.4mm Pin	57×16×7
BP17000-3000/H-9B4	(-0.5dB)15.5-18.5	-0.8		19.5G, >=40dB	Φ0.4mm Pin	46×12.5×7
BP17000-400-6B4	(-1dB)16.8-17.2	-1	16.6G, >=20dB	17.4G, >=15dB	Φ0.4mm Pin	46×12.5×7
BP17000-6000-8B4	(-1dB)14.0-20.0	-0.8	10.0G, >=75dB	21.5G, >=35dB	Φ0.4mm Pin	35×12.5×7
BP17000A-1200-5MC	(-1dB)16.4-17.6	-0.5	12.4G, >=70dB	--	Φ0.4mm Pin	34×12.5×7
BP17000A-1200-5MC-	(-1dB)16.4-17.6	-0.7	12.4G, >=65dB	13.6G, >=65dB	Φ0.4mm Pin	34×12.5×7
BP17000A-2000-10B4	(-1dB)16.0-18.0	-1	15.6G, >=32dB	18.4G, >=32dB	Φ0.4mm Pin	52×12.5×7
BP17040-5300-9B4	(-1dB)14.39-19.69	-0.4	10.0G, >=80dB	21.75G, >=48dB	Φ0.4mm Pin	37×12.5×9
BP17100-1800-11B4	(-1dB)16.2-18.0	-0.8	15G, >=80dB	18.6G, >=68dB	Φ0.4mm Pin	58×13×7
BP17100-2200-11B4	(-1dB)16.0-18.2	-1.7	15.5G, >=40dB	18.7G, >=40dB	Φ0.4mm Pin	57×12.5×7
BP17140-480-6B4	(-1dB)16.9-17.38	-1	16.74G, >=15dB	17.54G, >=10dB	Φ0.4mm Pin	46×12.5×7
BP17150-220-3IN	(-1dB)17.04-17.26	-2	16.65G, >=20dB	17.65G, >=15dB	Φ0.4mm Pin	25×12.5×7
BP17175-1650-5B4	(-1dB)16.35-18.0	-0.6	9.15G, >=85dB	23.55G, >=70dB	Φ0.4mm Pin	34×13×7
BP17200-1000-4B4	(-1dB)16.7-17.7	-0.8	15.3G, >=70dB	19.1G, >=70dB	Φ0.4mm Pin	34×12.5×7
BP17200-1100-6B4	(-1dB)16.65-17.75	-0.7	15.7G, >=55dB	18.7G, >=55dB	Φ0.4mm Pin	40×12.5×7
BP17200-1600-8B4	(-1dB)16.4-18.0	-0.5	15.7G, >=50dB	18.7G, >=50dB	Φ0.4mm Pin	46×12.5×6
BP17200-1600-9B3	(-1dB)16.4-18.0	-1	15.6G, >=62dB	18.8G, >=62dB	Φ0.4mm Pin	46×12.5×6
BP17200-1800-10B4	(-1dB)16.3-18.1	-0.8	15.6G, >=68dB	18.6G, >=48dB	Φ0.4mm Pin	55×13×7
BP17200-800-5B3	(-1dB)16.8-17.6	-0.8	15.2G, >=60dB	18.4G, >=38dB	Φ0.4mm Pin	30×12.5×6
BP17247.5-1230-8B4	(-1dB)16.6325-17.8625	-1.2	13G, >=50dB	19.5G, >=45dB	Φ0.4mm Pin	49×12.5×7

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP17300-1600-11B3	(-1dB)16.5-18.1	-1.2	15.8G, >=75dB	18.8G, >=68dB	Φ0.4mm Pin	55×12.5×6
BP17350-700-7B3M	(-1dB)17.0-17.7	-2.8	15.95G, >=75dB	18.3G, >=60dB	SMP-J	40×14×9
BP17425-1350-11B3	(-1dB)16.825-18.175	-1	16.2G, >=60dB	18.65G, >=60dB	Φ0.4mm Pin	55×12.5×6
BP17500-1000-8B3	(-1dB)17.0-18.0	-1	16.6G, >=45dB	18.4G, >=45dB	Φ0.4mm Pin	43×12.5×6
BP17500-1000-9B4	(-1dB)17.0-18.0	-1	16.8G, >=25dB	19G, >=75dB	Φ0.4mm Pin	55×14.5×7
BP17500-1100/H-4B3	(-0.5dB)16.95-18.05	-1.7	16G, >=22dB	19G, >=22dB	Φ0.4mm Pin	27×14×12
BP17500-1100/H-7B3	(-0.5dB)16.95-18.05	-2.2	16G, >=55dB	19G, >=55dB	Φ0.4mm Pin	37×14×12
BP17750-1500-9B4	(-1dB)17.0-18.5	-0.8	13.2G, >=75dB	19.5G, >=70dB	Φ0.4mm Pin	49×14×7
BP17900-2600-4B3L	(-1dB)16.6-19.2	-0.6	-	24G, >=35dB	Φ0.3mm Pin	27×12×6
BP18000-1800-10B4	(-1dB)17.0-18.9	-1	16.4G, >=72dB	19.4G, >=45dB	Φ0.3mm Pin	55×12.5×7
BP18000-2000-10B3	(-1dB)17.0-19.0	-0.8	16G, >=75dB	20G, >=75dB	Φ0.3mm Pin	46×13×6
BP18000-4000-7B4	(-1dB)16.0-20.0	-0.4	10G, >=85dB	24G, >=65dB	Φ0.3mm Pin	34×12.5×7
BP18000-5600-10B4	(-1dB)15.2-20.8	-1	10.4G, >=80dB	22.8G, >=55dB	Φ0.3mm Pin	43×12.5×7
BP18000-800-6B3	(-1dB)17.6-18.4	-0.8	17G, >=42dB	19G, >=42dB	Φ0.3mm Pin	36×12×6
BP18000A-4500-9B4	(-1dB)15.75-20.25	-0.6	12.8G, >=78dB	--	Φ0.3mm Pin	41×12×7
BP18200-2000-9B4	(-1dB)17.2-19.2	-0.6	16.2G, >=65dB	20.2G, >=60dB	Φ0.3mm Pin	49×13×7
BP18250-7500-8B4	(-1dB)14.5-22.0	-1.2	12G, >=60dB	24.5G, >=30dB	Φ0.3mm Pin	31×12.5×7
BP18300-1440-10B3	(-1dB)17.58-19.02	-0.8	16.8G, >=55dB	20.16G, >=68dB	Φ0.3mm Pin	43×13×6
BP18500-1100/H-4B3	(-0.5dB)17.95-19.05	-1.8	17G, >=20dB	20G, >=20dB	Φ0.4mm Pin	27×14×12
BP18500-1100/H-7B3	(-0.5dB)17.95-19.05	-2.2	17G, >=60dB	20G, >=60dB	Φ0.4mm Pin	37×14×12
BP18600-5800-9B4	(-1dB)15.7-21.5	-0.6	13.6G, >=58dB	23.6G, >=48dB	Φ0.3mm Pin	40×13×7
BP18800-800-6B3	(-1dB)18.4-19.2	-1	17.8G, >=45dB	19.8G, >=45dB	Φ0.3mm Pin	36×12×6
BP19000-1600-5B3	(-1dB)18.2-19.8	-0.7	10G, >=85dB	27G, >=68dB	Φ0.3mm Pin	28×13×6
BP19000-2000-10B3	(-1dB)18.0-20.0	-1	17G, >=78dB	21G, >=72dB	Φ0.3mm Pin	46×13×6
BP19000-2000-10B4	(-1dB)18.0-20.0	-0.8	17G, >=78dB	21G, >=70dB	Φ0.3mm Pin	52×12.5×7
BP19000-2050-13B3	(-1dB)17.975-20.025	-1.3	17.5G, >=62dB	20.5G, >=60dB	Φ0.3mm Pin	52×12.5×6
BP19000-5000-9B4	(-1dB)16.5-21.5	-1	13.3G, >=75dB	24.7G, >=62dB	Φ0.3mm Pin	40×13×7
BP19150-3100-10B4	(-1dB)17.6-20.8	-1.5	16.5G, >=60dB	22G, >=60dB	Φ0.3mm Pin	49×13×7
BP19250-1500-9B4	(-1dB)18.5-20.0	-0.8	17.5G, >=75dB	21G, >=65dB	Φ0.3mm Pin	49×14×7
BP19400-1000-8B3	(-1dB)18.9-19.9	-1.5	17.6G, >=78dB	20.2G, >=35dB	Φ0.3mm Pin	43×12×6
BP19500-1100/H-4B3	(-0.5dB)18.95-20.05	-1.7	18G, >=22dB	21G, >=22dB	Φ0.3mm Pin	27×14×12
BP19500-1100/H-7B3	(-0.5dB)18.95-20.05	-1.5	18G, >=62dB	21G, >=55dB	Φ0.3mm Pin	37×14×12
BP19500-1200-8B3	(-1dB)18.9-20.1	-0.8	17.8G, >=62dB	21.4G, >=58dB	Φ0.3mm Pin	40×12×6
BP19500-4200/H-7B4	(-0.5dB)17.4-21.6	-1	--	26.25G, >=62dB	Φ0.3mm Pin	37×12×7
BP19500-5000-8B4	(-1dB)17.0-22.0	-0.4	11G, >=75dB	26.25G, >=65dB	Φ0.3mm Pin	37×12.5×7
BP19500-5000-9B3	(-1dB)17.0-22.0	-1	14G, >=70dB	25G, >=75dB	Φ0.3mm Pin	37×12.5×6
BP19700-1000-6B3	(-1dB)19.2-20.2	-1	18.4G, >=48dB	21G, >=42dB	Φ0.3mm Pin	36×12×6
BP19700-3050-8B4	(-1dB)18.225-21.225	-0.8	14.6G, >=78dB	21.8G, >=18dB	Φ0.3mm Pin	40×12.5×7
BP19750-4500-10B3	(-1dB)17.5-21.95	-0.8	16.25G, >=48dB	23.5G, >=45dB	Φ0.3mm Pin	37×12.5×6
BP20000-2000-10B3	(-1dB)19.0-21.0	-1.2	18G, >=75dB	22G, >=75dB	Φ0.3mm Pin	46×13×6
BP20000-4000-12B3	(-1dB)18.0-22.0	-1.2	16G, >=78dB	24G, >=80dB	Φ0.3mm Pin	43×12.5×6
BP20000-4000-6B3	(-1dB)18.0-22.0	-1.7	15G, >=50dB	40G, >=30dB	Φ0.3mm Pin	26×12×6

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP20000-6000-8B4	(-1dB)17.0-23.0	-0.8	11.5G, >=75dB	34.5G, >=45dB	Φ0.3mm Pin	34×13×7
BP20200-2000/H-9B4	(-0.5dB)19.2-21.2	-0.8	18.2G, >=52dB	22.2G, >=62dB	Φ0.3mm Pin	43×12.5×6
BP20200-2000-9B4	(-1dB)19.2-21.2	-0.8	18.2G, >=65dB	22.2G, >=62dB	Φ0.3mm Pin	49×13×7
BP20250-2500-10B4	(-1dB)19.0-21.5	-1	17.5G, >=75dB	22.5G, >=02dB	Φ0.3mm Pin	34×13×7
BP20250-4500-8B4	(-1dB)18.0-22.5	-0.8	15G, >=70dB	35G, >=62dB	Φ0.3mm Pin	37×13×7
BP20400-1000-7B3	(-1dB)19.9-20.9	-0.8	18.4G, >=75dB	22.5G, >=8dB	Φ0.3mm Pin	37×12×6
BP20400-2000-8B3	(-1dB)19.4-21.4	-0.8	18.6G, >=40dB	22.2G, >=40dB	Φ0.3mm Pin	37×12×6
BP20400-300-5B4	(-1dB)20.25-20.55	-2.2	19.75G, >=45dB	21.35G, >=50dB	Φ0.3mm Pin	40×15×8
BP20500-3000-11B3	(-1dB)19.0-22.0	-1.2	17.7G, >=75dB	23.3G, >=75dB	Φ0.3mm Pin	43×13×6
BP20700-1000-6B3	(-1dB)20.2-21.2	-1	19.4G, >=50dB	22G, >=45dB	Φ0.3mm Pin	36×12×6
BP20700-1300-8B3	(-1dB)20.05-21.35	-1.2	12.3G, >=78dB	16.2G, >=78dB	Φ0.3mm Pin	40×13×6
BP20750-5500-7B4	(-1dB)18.0-23.5	-1.2	11.75G, >=50dB	27G, >=75dB	Φ0.3mm Pin	31×12.5×7
BP21250-3500-4B3	(-1dB)19.5-23.0	-1	11.5G, >=62dB	29.25G, >=45dB	Φ0.3mm Pin	21×12.5×6
BP21250-3700-11B3	(-1dB)19.4-23.1	-1	18.6G, >=42dB	23.9G, >=42dB	Φ0.3mm Pin	40×12×6
BP21300-1200-8B3	(-1dB)20.7-21.9	-1	19.4G, >=65dB	23G, >=55dB	Φ0.3mm Pin	40×12×6
BP21350-3100-13B4	(-1dB)19.8-22.9	-1.2	19.2G, >=55dB	23.5G, >=52dB	Φ0.3mm Pin	49×12.5×6
BP21500-200-2B3	(-1dB)21.4-21.6	-0.8	20.2G, >=30dB	22.7G, >=25dB	Φ0.3mm Pin	16×12.5×6
BP21500-200-3B3	(-1dB)21.4-21.6	-1	20.2G, >=30dB	22.7G, >=25dB	Φ0.3mm Pin	21×12.5×6
BP21500-7000/H-6B4	(-0.5dB)18.0-25.0	-1.4	--	30G, >=35dB	Φ0.3mm Pin	27×12.5×7
BP21800-1600-10B4	(-1dB)21.0-22.6	-1.8	20G, >=82dB	24G, >=82dB	Φ0.3mm Pin	58×13×7
BP22000-1000-8B3	(-1dB)21.5-22.5	-1.5	21.3G, >=20dB	22.7G, >=20dB	Φ0.3mm Pin	43×12×6
BP22000-1000-8B3-	(-1dB)21.5-22.5	-1.5	21.3G, >=20dB	22.7G, >=20dB	Φ0.3mm Pin	43×12×6
BP22000-4000-10B3	(-1dB)20.0-24.0	-0.7	19G, >=50dB	25G, >=42dB	Φ0.3mm Pin	37×12.5×6
BP22000-4000-9B3	(-1dB)20.0-24.0	-0.7	19G, >=32dB	25G, >=32dB	Φ0.3mm Pin	37×12.5×6.2
BP22000A-1000-8B3	(-1dB)21.5-22.5	-1	20.5G, >=70dB	23.5G, >=70dB	Φ0.3mm Pin	43×12×6
BP22000A-2000-9B3	(-1dB)21.0-23.0	-0.8	--	23.2G, >=15dB	Φ0.3mm Pin	40×12.5×6
BP22150-1900-8B3	(-1dB)21.2-23.1	-1	20.4G, >=40dB	23.9G, >=40dB	Φ0.3mm Pin	37×12×6
BP22200-2000-4B3	(-1dB)21.2-23.2	-0.7	17.8G, >=20dB	19.8G, >=20dB	Φ0.3mm Pin	27×12.5×6
BP22250-8500-10B4	(-1dB)21.2-23.2	-0.5	15.75G, >=58dB	28.25G, >=45dB	Φ0.3mm Pin	37×12.5×7
BP22500-5600-6B3	(-1dB)19.7-25.3	-0.7	--	32.8G, >=55dB	Φ0.3mm Pin	25×12×6
BP22500-6000-4IN	(-1dB)19.5-25.5	-1.7	--	40G, >=30dB	Φ0.3mm Pin	18×12×6
BP22600-2000-9B4	(-1dB)21.6-23.6	-1.2	18.5G, >=75dB	40G, >=75dB	Φ0.3mm Pin	50×12.5×7
BP22750-4500-8B4	(-1dB)20.5-25.0	-1	17.5G, >=70dB	40G, >=60dB	Φ0.3mm Pin	37×13×7
BP22800-200-2B3	(-1dB)22.7-22.9	-0.6	19.5G, >=28dB	21.6G, >=10dB	Φ0.3mm Pin	16×12.5×6
BP22800-200-3B3	(-1dB)22.7-22.9	-1.2	21.5G, >=28dB	--	Φ0.3mm Pin	21×12.5×6
BP22800-300-4B3	(-1dB)22.65-22.95	-0.7	11.4G, >=80dB	34.2G, >=80dB	Φ0.3mm Pin	31×12.5×6
BP22800-300-4B3-	(-1dB)22.65-22.95	-2	18.8G, >=85dB	26.8G, >=80dB	Φ0.3mm Pin	30×12.5×5.5
BP23075-1650-10B4	(-1dB)22.25-23.9	-2	21.5G, >=65dB	--	Φ0.3mm Pin	58×13×7
BP23200-2400-5B4	(-1dB)22.0-24.4	-1	12.2G, >=75dB	36.6G, >=60dB	Φ0.3mm Pin	31×13×7
BP23200-300-4B3	(-1dB)23.05-23.35	-1.4		25.5G, >=68dB	Φ0.3mm Pin	31×13×6
BP23250-6500-8B3	(-1dB)20.0-26.5	-1.8	14G, >=50dB	30G, >=50dB	Φ0.3mm Pin	28×12×6
BP23300-1500-6B3	(-1dB)22.55-24.05	-1.4	13.8G, >=80dB	17.8G, >=75dB	Φ0.3mm Pin	31×12×6
BP23500-5000-6B3	(-1dB)21.0-26.0	-1.2		32G, >=50dB	Φ0.3mm Pin	25×12×6

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP23900-800-4B3	(-1dB)23.5-24.3	-1.4	17G, >=80dB	28.4G, >=65dB	Φ0.3mm Pin	24×12.5×6
BP24000-6000-8B3	(-1dB)21.0-27.0	-1.6	18G, >=68dB	39G, >=55dB	Φ0.3mm Pin	31×12×6
BP24200-1100-5B4	(-1dB)23.65-24.75	-0.8		33.2G, >=80dB	Φ0.3mm Pin	31×12.5×7
BP24500-1000-6B3	(-1dB)24.0-25.0	-1.4	23G, >=50dB	26G, >=50dB	Φ0.3mm Pin	34×12.5×6
BP24500-7000-5IN	(-1dB)21.0-28.0	-2.2	16G, >=58dB	32G, >=32dB	Φ0.3mm Pin	22×12.5×6.2
BP24500-9000-8B3	(-1dB)20.0-29.0	-0.8	14.5G, >=70dB	30G, >=10dB	Φ0.3mm Pin	32×12.5×7
BP24600-2000-10B4	(-1dB)23.6-25.6	-0.8	22.4G, >=75dB	40G, >=78dB	Φ0.3mm Pin	55×12.5×7
BP24650-3300-5B3	(-1dB)23.0-26.3	-1	16.5G, >=70dB	--	Φ0.3mm Pin	28×12.5×6
BP24750-3000-10B4	(-1dB)23.25-26.25	-0.8	21.75G, >=75dB	27.75G, >=62dB	Φ0.3mm Pin	52×12.5×7
BP24750-3500-4B3	(-1dB)23.0-26.5	-0.6	13.25G, >=62dB	34.5G, >=38dB	Φ0.3mm Pin	21×12.5×6
BP24750-5500-7B4	(-1dB)22.0-27.5	-0.8	19.25G, >=55dB	30.25G, >=45dB	Φ0.3mm Pin	37×12.5×7
BP24800-5600-7B4	(-1dB)22.0-27.6	-2.2	13.8G, >=75dB	33G, >=65dB	Φ0.3mm Pin	39×12×7
BP25000-6000-8B4	(-1dB)22.0-28.0	-0.4	11G, >=85dB	33G, >=65dB	Φ0.3mm Pin	37×12.5×7
BP25250-4500-8B4	(-1dB)23.0-27.5	-1.2	21G, >=60dB	34G, >=60dB	Φ0.3mm Pin	37×13×7
BP25400-1500-11B3	(-1dB)24.65-26.15	-1.5	23.9G, >=70dB	26.9G, >=75dB	Φ0.3mm Pin	52×12.5×6
BP25400-4000-6B4	(-1dB)23.4-27.4	-1.8	18G, >=80dB	33G, >=60dB	Φ0.3mm Pin	31×12.5×7
BP25500-300-4B3	(-1dB)25.35-25.65	-1.4	23.2G, >=72dB	--	Φ0.3mm Pin	31×13×6
BP25735-1150-5B3	(-1dB)25.16-26.31	-1.2	21.7G, >=70dB	29.5G, >=68dB	Φ0.3mm Pin	29×12×6
BP25900-300-4B3	(-1dB)25.75-26.05	-2.4	23.4G, >=78dB	28.4G, >=75dB	Φ0.3mm Pin	30×12.5×5.5
BP26000-1000-8B4	(-1dB)25.5-26.5	-2.5	24.7G, >=75dB	49G, >=60dB	Φ0.3mm Pin	52×13×7
BP26000-2500-11B3	(-1dB)24.75-27.25	-1.5	16.2G, >=72dB	20.5G, >=72dB	Φ0.3mm Pin	46×13×6
BP26000-3000-10B3	(-1dB)24.5-27.5	-1.5	16.2G, >=72dB	20.5G, >=72dB	Φ0.3mm Pin	46×13×6
BP26000-8000-8B3	(-1dB)22.0-30.0	-1.4	20.0G, >=45dB	20.5G, >=72dB	Φ0.3mm Pin	27×12.5×6
BP26250-2500-8B3	(-1dB)25.0-27.5	-1	24G, >=55dB	30.9G, >=80dB	Φ0.3mm Pin	39×12.5×5.5
BP26400-2800-7B4	(-1dB)25.0-27.8	-1.3	18.05G, >=85dB	28.5G, >=20dB	Φ0.3mm Pin	37×13×7
BP26500-5000-6B3	(-1dB)24.0-29.0	-0.8	--	37G, >=62dB	Φ0.3mm Pin	25×12×6
BP26650-2500/H-6B4	(-0.5dB)25.4-27.9	-1	23.6G, >=45dB	--	Φ0.3mm Pin	37×12.5×7
BP27000-6000-7B3	(-1dB)24.0-30.0	-1.4	21G, >=50dB	33G, >=40dB	Φ0.3mm Pin	28×12.5×6
BP27000-6000-8B3	(-1dB)24.0-30.0	-0.8	15G, >=88dB	36G, >=68dB	Φ0.3mm Pin	31×13×6
BP27500-1000-8B3	(-1dB)27.0-28.0	-2	26.8G, >=15dB	28.2G, >=12dB	Φ0.3mm Pin	43×12×6
BP27500-1000-8B3-	(-1dB)27.0-28.0	-2	26.8G, >=18dB	28.2G, >=18dB	Φ0.3mm Pin	43×12×6
BP27500-4000-4IN	(-1dB)25.5-29.5	-1.7	--	40G, >=35dB	Φ0.3mm Pin	18×12×6
BP27500-5600-6B3	(-1dB)24.7-30.3	-0.7	--	37.8G, >=50dB	Φ0.3mm Pin	25×12×6
BP28000-3000-7B3	(-1dB)26.5-29.5	-1	24G, >=60dB	32G, >=50dB	Φ0.3mm Pin	31×12.5×6
BP28000-3000-7B3-	(-1dB)26.5-29.5	-1.2	24G, >=60dB	32G, >=50dB	Φ0.3mm Pin	31×12.5×6
BP28000-4000-7B3	(-1dB)26.0-30.0	-0.6	15G, >=78dB	39G, >=65dB	Φ0.3mm Pin	30×12.5×6
BP28500-1000-4B3	(-1dB)28.0-29.0	-1.5	5.5G, >=80dB	20G, >=68dB	Φ0.3mm Pin	24×12.5×6
BP28500-6000-8B4	(-1dB)25.5-31.5	-1.6	22G, >=78dB	51G, >=58dB	Φ0.3mm Pin	37×13×7
BP28750-2500-8B3	(-1dB)27.5-30.0	-0.8	26.5G, >=40dB	33.4G, >=75dB	Φ0.3mm Pin	39×12.5×5.5
BP29000-4000-5B3	(-1dB)27.0-31.0	-1.4	--	40G, >=55dB	Φ0.3mm Pin	25×12×6
BP29000-4000-7B3	(-1dB)27.0-31.0	-1	24G, >=72dB	34G, >=52dB	Φ0.3mm Pin	31×12.5×6
BP29000-6000-9B3	(-1dB)26.0-32.0	-1.2	23G, >=65dB	35G, >=55dB	Φ0.3mm Pin	34×12.5×6

Model	Passband (GHz)	IL(f <sub>0</sub> ) (dB)	Stopband 1	Stopband 2	Connector	Dimension (mm)
BP29150-6700-12B3	(-1dB)25.8-32.5	-1.5	21.334G, >=75dB	34.668G, >=55dB	Φ0.3mm Pin	40×13×6
BP29500-7000-4CKJ	(-1dB)26.0-33.0	-2.2	--	59G, >=40dB	Φ0.3mm Pin	27×12.5×6
BP29500-9000-8B3	(-1dB)25.0-34.0	-1.4	17G, >=70dB	51G, >=60dB	Φ0.3mm Pin	34×13×6
BP29800-4400-7B3	(-1dB)27.6-32.0	-2.2	16G, >=75dB	41.4G, >=65dB	Φ0.3mm Pin	30×12×6
BP29900-1400/H-6B3	(-0.5dB)29.2-30.6	-1.4	26G, >=85dB	33G, >=70dB	Φ0.3mm Pin	32×14×7
BP29900-1500/H-6B3	(-0.5dB)29.15-30.65	-0.8	26G, >=82dB	40G, >=70dB	Φ0.3mm Pin	32×14×7
BP30000-2000/H-9B4	(-0.5dB)29.9-30.1	-1.3	28G, >=60dB	32G, >=55dB	Φ0.3mm Pin	43×12.5×6
BP30000-2400-8B3	(-1dB)29.88-30.12	-1.6	13.4G, >=80dB	24.8G, >=72dB	Φ0.3mm Pin	35×12×6
BP30000A-3000-10B3	(-1dB)29.85-30.15	-1.4	27.2G, >=72dB	--	Φ0.3mm Pin	46×13×6
BP30000-10400-8B3	(-1dB)29.48-30.52	-2	17.7G, >=75dB	37.3G, >=25dB	Φ0.3mm Pin	30×13×7
BP30200-2000-8B3	(-1dB)29.2-31.2	-1.5	28.2G, >=45dB	32.2G, >=48dB	Φ0.3mm Pin	40×12.5×6
BP30500-3000-12B3	(-1dB)29.0-31.5	-2.2	28.2G, >=60dB	36.5G, >=85dB	Φ0.3mm Pin	50×13×6
BP30900-300-4B3	(-1dB)30.75-31.05	-1.8	28.4G, >=70dB	33.4G, >=65dB	Φ0.3mm Pin	30×12.5×5.5
BP31250-2500-8B3	(-1dB)30.0-32.5	-1.8	25.9G, >=78dB	33.5G, >=35dB	Φ0.3mm Pin	39×12.5×5.5
BP31500-11000-8B3	(-1dB)26.0-37.0	-1.6	22G, >=40dB	40G, >=30dB	Φ0.3mm Pin	28×12×6
BP31500-4000-11B3	(-1dB)29.5-33.5	-1.4	28.6G, >=45dB	34.4G, >=48dB	Φ0.3mm Pin	44×12×6
BP31500-5000-6B3	(-1dB)29.0-34.0	-0.5	21G, >=80dB	--	Φ0.3mm Pin	26×12×6
BP32000-5000-8B3	(-1dB)29.5-34.5	-1.3	26G, >=70dB	37G, >=50dB	Φ0.3mm Pin	34×13×6
BP32500-5600-5B3	(-1dB)29.7-35.3	-0.5	21.7G, >=65dB	37G, >=50dB	Φ0.3mm Pin	25×12×6
BP32500-6000-10B3	(-1dB)29.5-35.5	-1.2	28G, >=15dB	37G, >=40dB	Φ0.3mm Pin	37×12.5×6
BP33000-2050-6B3	(-1dB)31.975-34.025	-1	29G, >=72dB	39G, >=60dB	Φ0.3mm Pin	31×12×6
BP33000-6000-6IN	(-1dB)30.0-36.0	-2.2	29G, >=15dB	37G, >=12dB	Φ0.3mm Pin	27×12×5.8
BP33000-6000-7B3	(-1dB)30.0-36.0	-1.7	18G, >=85dB	45G, >=70dB	Φ0.3mm Pin	28×13×6
BP33200-200-3C	(-1dB)33.1-33.3	-1.2	16.6G, >=75dB	40G, >=58dB	Φ0.3mm Pin	25×12.5×6.2
BP33750-2500-8B3	(-1dB)33.5-35.0	-1.2	28.4G, >=80dB	36G, >=35dB	Φ0.3mm Pin	39×12.5×5.5
BP34000-12000-8B3	(-1dB)28.0-40.0	-2.2	20G, >=60dB	43.5G, >=18dB	Φ0.3mm Pin	29×12.5×5.5
BP34000-12000-9B3	(-1dB)28.0-40.0	-1.8	20G, >=70dB	42G, >=15dB	Φ0.3mm Pin	30×12.5×6.4
BP34000-12200-8B3	(-1dB)27.9-40.1	-1.8	23.5G, >=42dB	46G, >=50dB	Φ0.3mm Pin	29×12.5×6
BP34000-8000-8B3	(-1dB)30.0-38.0	-2.2	28G, >=35dB	40G, >=35dB	Φ0.3mm Pin	31×12.5×6
BP34500-11000-8B3	(-1dB)29.0-40.0	-1.2	20G, >=75dB	55G, >=25dB	Φ0.3mm Pin	26×12.5×6
BP34500-2400/H-8B3	(-0.5dB)33.3-35.7	-1.4	29G, >=85dB	40G, >=78dB	Φ0.3mm Pin	37×12.5×6
BP34500-3000/H-4B3	(-0.5dB)33.0-36.0	-1.4	18G, >=62dB	40G, >=62dB	Φ0.3mm Pin	22×12.5×6
BP34500-4000-6B3	(-1dB)32.5-36.5	-0.8	20G, >=65dB	27G, >=65dB	Φ0.3mm Pin	31×12.5×6
BP34500-5000-6B3	(-1dB)32.0-37.0	-0.7	24G, >=75dB	--	Φ0.3mm Pin	26×12×6
BP34500A-3000-7B3	(-1dB)33.0-36.0	-1	16G, >=75dB	45G, >=30dB	Φ0.3mm Pin	34×12.5×6
BP34850-6700-10B3	(-1dB)31.5-38.2	-1.5	25.334G, >=78dB	--	Φ0.3mm Pin	40×13×6

## Comparison chart for return loss and VSWR 反射损耗与电压驻波比对照表

Return Loss (dB)	VSWR	Return Loss (dB)	VSWR	Return Loss (dB)	VSWR	Return Loss (dB)	VSWR	Return Loss (dB)	VSWR
46.064	1.01	13.842	1.51	9.485	2.01	7.327	2.51	5.999	3.01
40.086	1.02	13.708	1.52	9.428	2.02	7.294	2.52	5.970	3.02
36.607	1.03	13.577	1.53	9.372	2.03	7.262	2.53	5.956	3.03
34.151	1.04	13.449	1.54	9.317	2.04	7.230	2.54	5.935	3.04
32.256	1.05	13.324	1.55	9.262	2.05	7.198	2.55	5.914	3.05
30.714	1.06	13.201	1.56	9.208	2.06	7.167	2.56	5.893	3.06
29.417	1.07	13.081	1.57	9.155	2.07	7.135	2.57	5.872	3.07
28.299	1.08	12.964	1.58	9.103	2.08	7.105	2.58	5.852	3.08
27.318	1.09	12.849	1.59	9.051	2.09	7.074	2.59	5.832	3.09
26.444	1.10	12.736	1.60	8.999	2.10	7.044	2.60	5.811	3.10
25.658	1.11	12.625	1.61	8.949	2.11	7.014	2.61	5.791	3.11
24.943	1.12	12.518	1.62	8.899	2.12	6.984	2.62	5.771	3.12
24.289	1.13	12.412	1.63	8.849	2.13	6.954	2.63	5.751	3.13
23.686	1.14	12.308	1.64	8.800	2.14	6.925	2.64	5.732	3.14
23.127	1.15	12.207	1.65	8.752	2.15	6.896	2.65	5.712	3.15
22.607	1.16	12.107	1.66	8.705	2.16	6.867	2.66	5.693	3.16
22.120	1.17	12.009	1.67	8.657	2.17	6.839	2.67	5.674	3.17
21.664	1.18	11.913	1.68	8.611	2.18	6.811	2.68	5.654	3.18
21.234	1.19	11.818	1.69	8.565	2.19	6.783	2.69	5.635	3.19
20.828	1.20	11.725	1.70	8.519	2.20	6.755	2.70	5.617	3.20
20.443	1.21	11.634	1.71	8.474	2.21	6.728	2.71	5.598	3.21
20.079	1.22	11.545	1.72	8.430	2.22	6.700	2.72	5.579	3.22
19.732	1.23	11.457	1.73	8.386	2.23	6.673	2.73	5.561	3.23
19.401	1.24	11.370	1.74	8.342	2.24	6.646	2.74	5.542	3.24
19.085	1.25	11.285	1.75	8.299	2.25	6.620	2.75	5.524	3.25
18.783	1.26	11.202	1.76	8.257	2.26	6.594	2.76	5.506	3.26
18.493	1.27	11.120	1.77	8.215	2.27	6.567	2.77	5.488	3.27
18.216	1.28	11.039	1.78	8.173	2.28	6.541	2.78	5.470	3.28
17.949	1.29	10.960	1.79	8.138	2.29	6.516	2.79	5.452	3.29
17.690	1.30	10.881	1.80	8.091	2.30	6.490	2.80	5.435	3.30
17.445	1.31	10.804	1.81	8.051	2.31	6.465	2.81	5.417	3.31
17.207	1.32	10.729	1.82	8.011	2.32	6.440	2.82	5.400	3.32
16.977	1.33	10.654	1.83	7.972	2.33	6.415	2.83	5.383	3.33
16.755	1.34	10.581	1.84	7.933	2.34	6.390	2.84	5.365	3.34
16.540	1.35	10.509	1.85	7.894	2.35	6.366	2.85	5.348	3.35
16.332	1.36	10.437	1.86	7.856	2.36	6.341	2.86	5.331	3.36
16.131	1.37	10.367	1.87	7.818	2.37	6.317	2.87	5.315	3.37
15.936	1.38	10.298	1.88	7.781	2.38	6.293	2.88	5.298	3.38
15.747	1.39	10.230	1.89	7.744	2.39	6.270	2.89	5.281	3.39
15.563	1.40	10.163	1.90	7.707	2.40	6.246	2.90	5.265	3.40
15.385	1.41	10.097	1.91	7.671	2.41	6.223	2.91	5.248	3.41
15.211	1.42	10.032	1.92	7.635	2.42	6.200	2.92	5.232	3.42
15.043	1.43	9.968	1.93	7.599	2.43	6.177	2.93	5.216	3.43
14.879	1.44	9.904	1.94	7.564	2.44	6.154	2.94	5.200	3.44
14.719	1.45	9.842	1.95	7.529	2.45	6.131	2.95	5.184	3.45
14.564	1.46	9.780	1.96	7.494	2.46	6.109	2.96	5.168	3.46
14.412	1.47	9.720	1.97	7.460	2.47	6.086	2.97	5.152	3.47
14.264	1.48	7.660	1.98	7.426	2.48	6.064	2.98	5.137	3.48
14.120	1.49	9.601	1.99	7.393	2.49	6.042	2.99	5.121	3.49
13.979	1.50	9.542	2.00	7.360	2.50	6.021	3.00	5.105	3.50