

## Band Pass Filter 带通滤波器

### ■ Feature 特点

#### **Compact Size** 体积小

Miniaturized SMD packaged in low profile and lightweight.

#### **Low Loss** 低插入损耗

Low insertion loss, high attenuation.

#### **High Soldering Heat Resistance** 耐高温表面焊接

High quality termination allows both flow and re-flow soldering methods to be applied.

#### **High Performance** 特性优良

Eliminate noise over a wide frequency range. Idea for high frequency and space limited designs.

**Available in tape and reel packaging for automatic mounting** 卷轴包装适用于表面贴片技术

**AEC-Q200 certificated** 通过 AEC-Q200 测试

### ■ Product Identification 产品型号

ATB - 1608 - ###xx - B1 - □□  
①                      ②                      ③                      ④                      ⑤

- ① Product Code
- ② Dimension Code
- ③ Series Type (### represents center frequency and xx represents material type)
- ④ Design Code
- ⑤ Pattern Code

### ■ Application 用途

Band pass filters for automotive WiFi/ /BT/ LTE connection



Electrical Specification 电气规格

Part No. 型号	Pass Band 带宽 (MHz)	Insertion Loss 插入损耗	VSWR 电压驻波比	Attenuation 带外抑制
ATB-1005-2G4H6-A2	2400~2500	2.0 dB max.	2.0 max.	25dB min. at 1500 ~ 1710 MHz 30dB min. at 4800 ~ 5000 MHz
ATB-1005-2G4H6-A4	2400~2500	1.5 dB max.	2.1 max	13 dB min. at 824 ~ 915 MHz 5 dB min. at 1545 ~ 1605 MHz 3.5 dB min. at 1710 ~ 1785 MHz 2 dB min. at 1850 ~ 1910 MHz 1.5 dB min. at 1920 ~ 1980 MHz 0.5 dB min. at 2110 ~ 2170 MHz 34 dB min. at 4800 ~ 5000 MHz 27 dB min. at 7200 ~ 7500 MHz
ATB-1608-2G4H6-B1	2400~2500	2.5dB max.	2.0 max.	25dB min. at 860 ~ 960 MHz 20dB min. at 1710 ~ 1910 MHz 25dB min. at 4800 ~ 5000 MHz 20dB min. at 7200 ~ 7500 MHz
ATB-1608-2G4H6-D27	2400~2500	1.5dB max.	1.92 max.	30dB min at 800 ~ 960 MHz 34dB min. at 4800 ~ 5000 MHz 34dB min. at 7200 ~ 7500 MHz
ATB-1608-2G4S1-A1	2400-2500	3.0dB max.	2.0 max.	25dB min at 695 ~ 800 MHz 20dB min. at 1710 ~ 1910 MHz 35dB min. at 3200 MHz 20dB min. at 4800 ~ 5000 MHz
ATB-2012-2G4H6-A1	2400~2500	1.8dB max.	2.0 max.	20dB min. at 1200 ~1300 MHz 7dB min. at 2000 MHz 5dB min. at 3000 MHz 30dB min. at 3600 ~ 3800 MHz 35dB min. at 4800 ~ 5000 MHz
ATB-2012-2G4H6-A2	2400-2500	1.8 dB max.	2.0 max.	30dB min. at 860 ~ 960 MHz 25dB min. at 1710 ~ 1910 MHz 25dB min. at 4800 ~ 5000 MHz 25dB min. at 7200 ~ 7500 MHz
ATB-2012-2G4H6-A3	2400~2500	1.8dB max.	2.0 max.	30dB min. at 860 ~ 960 MHz 25dB min. at 1710 ~ 1910 MHz 25dB min. at 4800 ~ 5000 MHz 25dB min. at 7200 ~ 7500 MHz
ATB-2012-2G4H6-B5	2400~2500	2.5dB max.	2.0 max.	35dB min. at 824 ~ 960 MHz 38dB min. at 1710 ~ 1910 MHz 25dB min. at 4800 ~ 5000 MHz 20dB min. at 7200 ~ 7500 MHz
ATB-2012-2G4H6-A9	2400~2500	2.6dB max.	2.0 max.	40dB min. at 824 ~ 894 MHz 40dB min. at 880 ~ 960 MHz 38dB min. at 1710 ~ 1990 MHz 25dB min. at 2100 ~ 2170 MHz 30dB min. at 4800 ~ 5000 MHz 25dB min. at 7200 ~ 7500 MHz

Part No. 型号	Pass Band 带宽 (MHz)	Insertion Loss 插入损耗	VSWR 电压驻波比	Attenuation 带外抑制
ATB-2012-2G4H6-A18	2400~2500	1.2 dB max.	2.0 max.	15 dB min. at 1600 MHz 20 dB min. at 3200 MHz 40 dB min. at 4800 ~ 5000 MHz
ATB-2520-2G4H6-M1	2400~2500	2.1 dB max.	2.0 max.	45dB min. at 824 ~ 915 MHz 43dB min. at 915 ~ 960 MHz 40dB min. at 1710 ~ 1990 MHz 20dB min. at 2110 ~ 2170 MHz 30dB min. at 4800 ~ 5000 MHz 36dB min. at 7200 ~ 7500 MHz
ATB-2520-2G4H6-C9	2400~2500	1.2 dB max.	2.0 max.	35 dB min. at 880~ 915 MHz 35 dB min. at 1710~1785 MHz 35 dB min. at 1850~1910 MHz 30 dB min. at 4800~5000 MHz
ATB-2012-3G6H6-A1	3300~3900	1.8dB max.	2.0 max.	5dB min. at 100 ~ 2600 MHz 20dB min. at 6000 ~ 9000 MHz
ATB-1608-5G5H6-B4	5150~5850	1.8 dB max.	2.0 max.	30dB min. at 100 ~ 2170 MHz 30dB min. at 2170 ~ 2500 MHz 15dB min. at 3400 ~ 3900 MHz 15dB min. at 6850 MHz 27dB min. at 10300 ~ 11700 MHz
ATB-1608-5G5H6-A7	4900~5840	1.5 dB max.	2.0 max.	33 dB min. at 100 ~ 2170 MHz 29 dB min. at 2170 ~ 2500 MHz 30 dB min. at 9800 ~ 12000 MHz
ATB-2012-5G5H6-D1	4900~5850	2.2dB max.	2.0 max.	30 dB min. at 340~1195 MHz 15 dB min. at 2140~3580 MHz 25 dB min. at 6855~7150 MHz 20 dB min. at 8570~8930 MHz
ATB-2012-5G5H6-B3	5150~5850	2.0dB max.	2.0 max.	30dB min. at 2400 ~ 3800 MHz 18dB min. at 10300 ~ 11700 MHz
ATB-2012-5G5H6-C5	5150~5850	3.5dB max.	2.5 max.	35dB min. at 4000 MHz 35dB min. at 4200 MHz 35dB min. at 4600 MHz
ATB-2012-5G5H6-A8	4900~5920	1.5dB max.	2.0 max.	30dB min. at 3500 MHz
ATB-2012-5G5H6-D8	4900~5950	1.8dB max.	2.0 max.	33 dB min. at 1280 ~ 3300 MHz 30 dB min. at 3300 ~ 4000 MHz 15 dB min. at 4375 ~ 4465 MHz 7 dB min. at 7300 ~ 8930 MHz 20 dB min. at 9800 ~ 11900 MHz

**NOTES**

Please contact us for detail information.