

Coupler 耦合器

■ 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

ATC - 1608 - ###xx - A1 - □□
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

Couplers 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 | Coupling in BW 耦合 | Isolation in BW 绝缘 |
|-------------------|--|--|--|---|--|
| ATC-1608-12GS1-A1 | 824~915 1710~2100 | 0.30 dB max. 0.35 dB max. | 2.0 max. 2.0 max. | 32 dB ± 1dB 27 dB ± 1dB | 45 dB min. 40 dB min. |
| ATC-1608-12G41-A6 | 700~790 820~900 1701~2100 2300~2700 | 0.2 dB max. 0.2 dB max. 0.3 dB max. 0.5 dB max. | 1.5 max. 1.5 max. 1.5 max. 1.5 max. | 25 dB ± 1dB 24 dB ± 1dB 21 dB ± 1dB 22 dB ± 1.5dB | 40 dB min. 35 dB min. 35 dB min. 35 dB min. |
| ATC-1608-12GS1-A7 | 698~960 1428~2170 2300~2700 | 0.1 dB max. 0.2 dB max. 0.2 dB max. | 1.5 max. | 26.8± 1dB at 698 MHz 24.9± 1dB at 915 MHz 22.4± 1dB at 1428 MHz 22.0± 1dB at 2.025 GHz 24.5± 1dB at 2.30 GHz 25.5± 1dB at 2.62 GHz | 40 dB min. 35 dB min. 35 dB min. |
| ATC-1005-25GS1-A2 | 2400~2500 4900~5850 | 0.20 dB max. 0.39 dB max. | 1.3 max. 1.8 max. | 20.5 ± 1.5 dB 14.0 ± 2.0 dB | 32 dB min. 23 dB min. |

■ NOTES

Please contact us for detail information.

