

Characteristics and Application

Low temperature drift, high power.

Small size, easy to integrate.

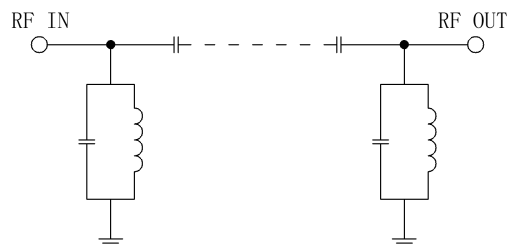
Technical parameters superior to LTCC filters.

Applied in fields such as radar, electronic countermeasures, and mobile communication.

Reference picture



Schematic diagram



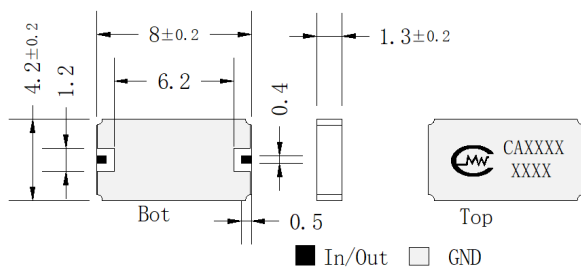
Tech specifications

Items	Parameters	Units
Center Frequency	7.0	GHz
Bandwidth	6.0-8.0	GHz
Center loss	1.5	dB
Ripple	1.0	dB
VSWR	1.8:1	
Group delay ripple	0.6	ns
Rejection	20@3.5-5.6GHz	dBc
Rejection	25@8.8-9.8GHz	dBc
Rejection	10@1.8-2.8Hz	dBc

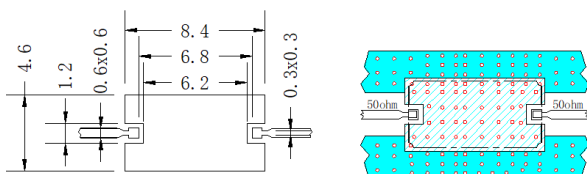
Other requirement (Design assurance)

power	5W CW
Operation Temp.	-55~+85°C
Storage Temp.	-55~+85°C

Configuration



Suggested PCB Layout



PCB: R04350B, H:0.254mm

Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Note

1: Suggest using separate chambers with interchangeable ports, with a distance of 1.0mm from the side wall on one side and a distance of 2.0mm from the top cover on the surface. Supports reflow soldering at 260 °C;

2: 表贴式滤波器的接地很重要，如果接地效果不理想，会对滤波器的电特性造成影响，尤其是带外抑制指标会明显变差，只有良好的接地和正常的安装才能发挥滤波器最佳性能，获得最佳效果；

3: 在清洗过程中滤波器不能长时间浸泡在清洗液中，清洗不应影响滤波器性能、标识及焊点产生不良影响，清洗后放入40-50°的烤箱中，烘烤干燥20-30分钟；

4: 实际使用中空间对谐波抑制影响较大，在滤波器表面或壳体上填充吸收材料可获得更有效的谐波抑制：