

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.

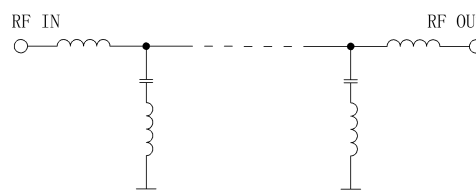
Tech specifications

Items	Parameters	Units
Passband F1	DC-4.7	GHz
Passband F2	5.5-18.0	GHz
IL 1	2.0@DC-4.7GHz	dB
IL 2	2.0@5.5-18.0GHz	dB
Pass band ripple 1	1.5@DC-4.7GHz	dB
Pass band ripple 2	1.5@5.5-18.0GHz	dB
VSWR	1.8:1	
带阻带抑制	35@5.1GHz	dBc

Reference picture



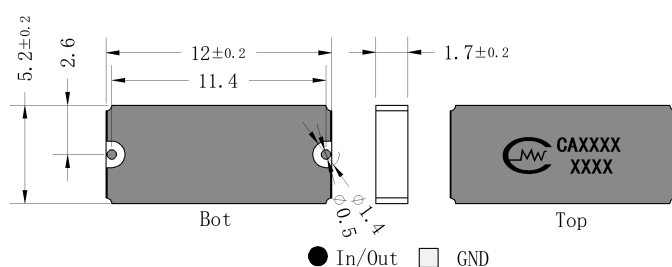
Schematic diagram



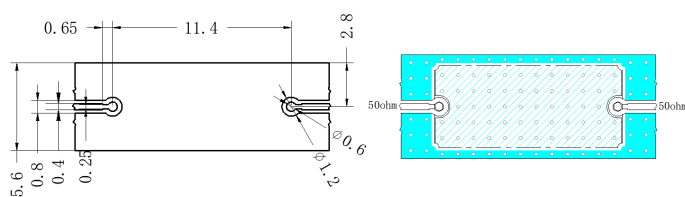
Other requirement (Design assurance)

power	20W CW
Operation Temp.	-55~+85°C
Storage Temp.	-55~+85°C

Configuration



Suggested PCB Layout



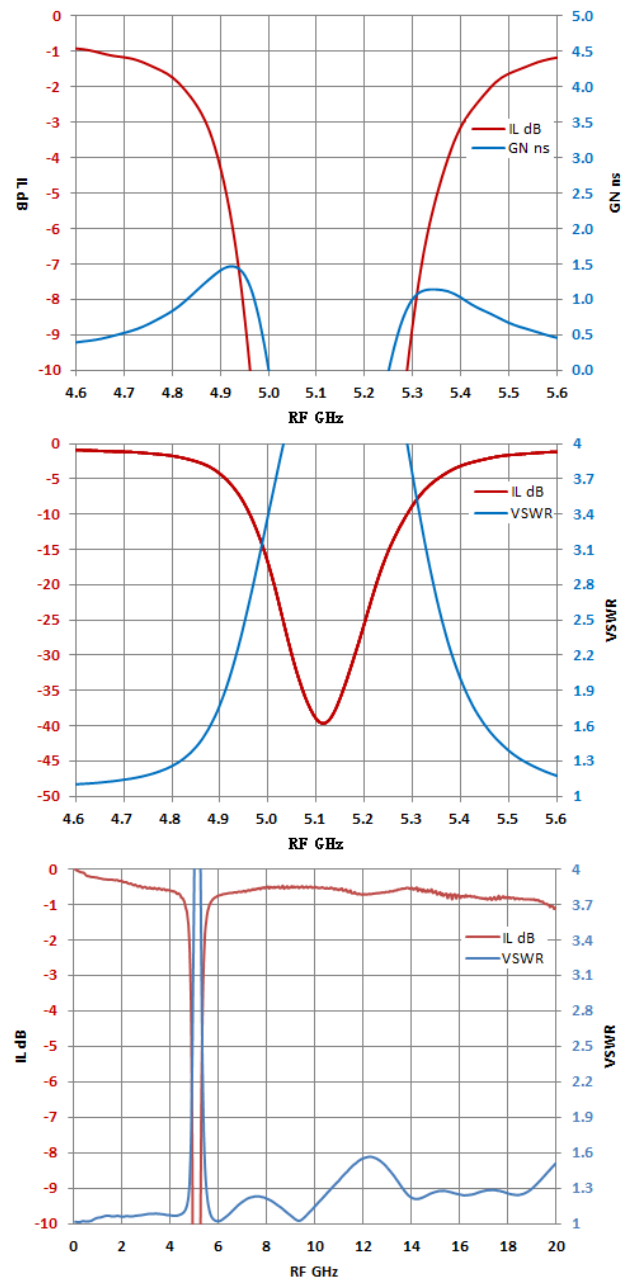
PCB: ER: 3.38, H: 0.203mm

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: Grounding is very important, only good grounding can maximize the performance of the filter;
- 3: During the cleaning process, the filter should not be immersed in the cleaning solution for a long time;
- 4: Filling absorbing material above the filter can achieve better harmonic suppression.

Typical test curve



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