

Product features

High performance, low-temperature float

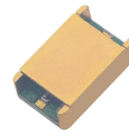
Suitable for multi-channel integration

50 Ω coplanar waveguide, gold wire bonding

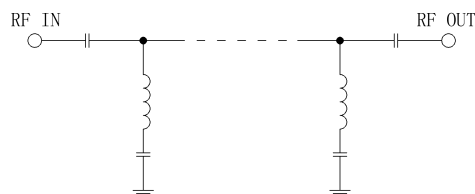
It effectively supplements the size and performance of the chip and LTCC

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

Reference picture



Schematic diagram



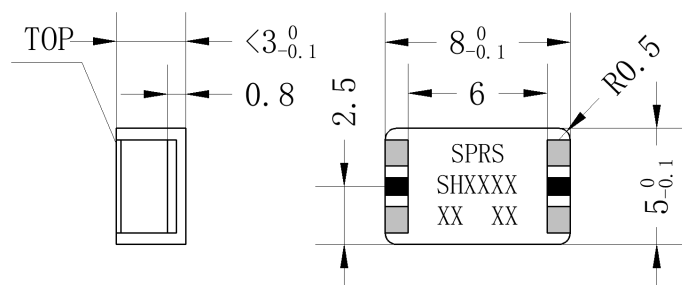
Tech specifications

Items	Parameters	Units
Center Frequency	10.3	GHz
Bandwidth	2.6-18.0	GHz
Passband IL 1	3.0@2.6GHz	dB
Passband IL 2	2.0@2.7-18.0GHz	dB
Pass band ripple 1	2.0@2.6-18.0GHz	dB
Pass band ripple 2	1.5@2.7-18.0GHz	dB
VSWR	1.7:1	
Group delay ripple	1.5	ns
Rejection	40@DC-2.3GHz	dBc

Other requirement (Design assurance)

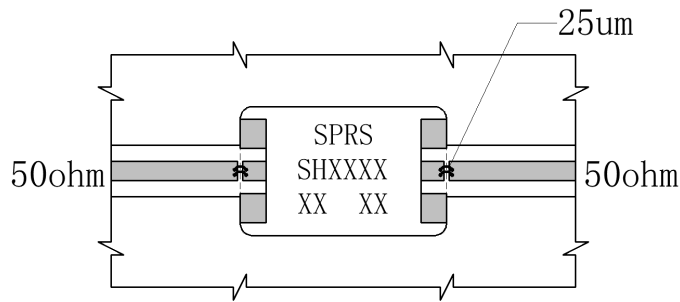
power	0.1W CW
Operation Temp.	-40~+70°C
Storage Temp.	-55~+85°C

Configuration



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

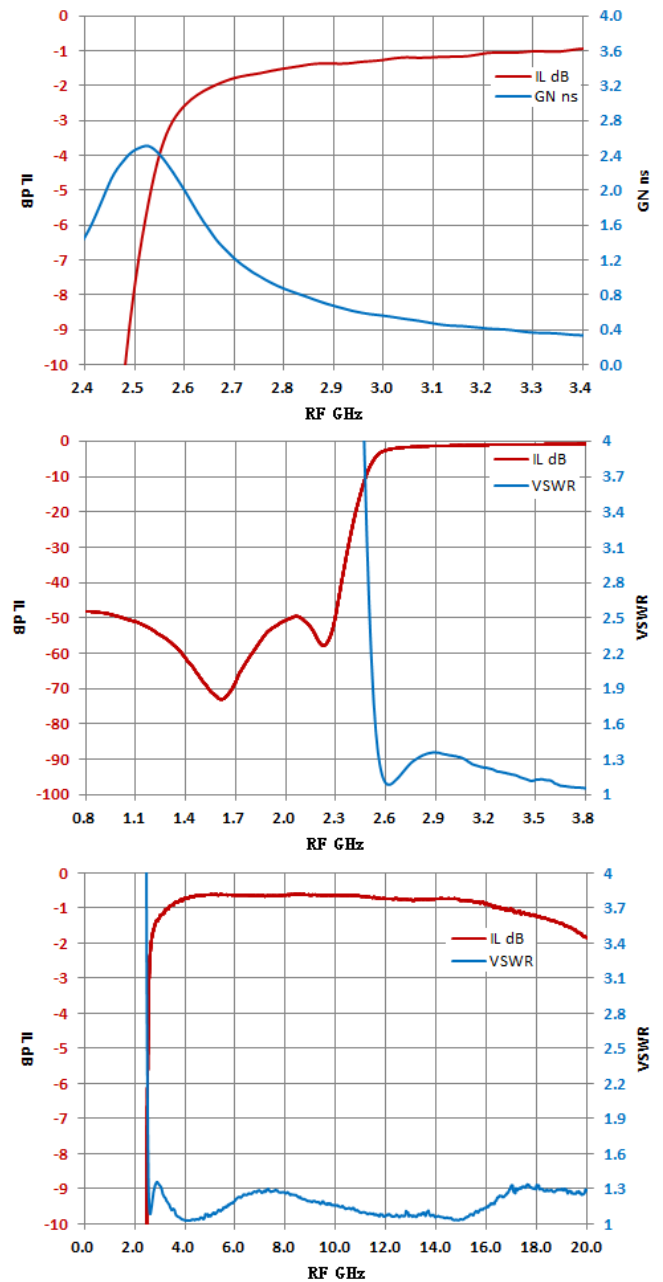
Suggested PCB Layout



Note

- 1: Recommend using low stress conductive adhesive,
- 2: Suggest using separate chambers, interchangeable ports, and does not support reflow soldering,
- 3: The grounding of the filter is very important, only good grounding and normal installation can maximize the performance of the filter,
- 4: During the cleaning process, the filter should not be immersed in the cleaning solution. After cleaning, place it in an oven at 40-50 ° C and dry it for 20-30 minutes,
- 5: In practical use, embedding gaps has a significant impact on harmonic suppression, and small gaps should be maintained to avoid high-frequency resonance,

Typical test curve



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