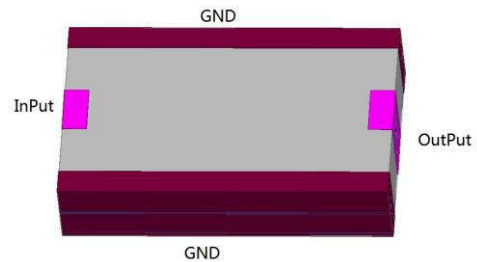


SPECIFICATION

Version: 01 Data: 2017/3/13

Features:

- 3-D structure, small size 4.5mm*3.2mm*1.5mm
- Band width(40MHz@1dB)
- Ultra Low I.L.
- Integrated multilayer passive LTCC process
- Temperature stable, High performance, Shielded
- SMT



+RoHS Compliant

Descriptions

1. This product complies with the specification and GJB2600-1996. Following this specification when it is not agreement with GJB2600-1996.
2. Inspection, no damage, no crack, no residue; signs clear.
3. Screening
 - ◇ It has been considered that relevant materials and processes can meet following environmental requirements during design and process selection.
 - ◇ Temperature cycle: according to method 1010A in GJB548A-1996
 - ◇ Frequency sweep vibration: according to method 2007 in GJB548A-1996
 - ◇ Mechanical shock: according to method 2002A in GJB548A-1996
 - ◇ Moisture-proof: according to method 1004A in GJB548A-1996
 - ◇ Solderability: according to method 3.14 in GJB548A-1996

Applications

Microwave low pass filter series products are designed for radio, satellite communications, radar and other communications field. It can simplify the circuit and reduce the complex tuning work with low insert loss, high stop band attenuation and small size SMD design.



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LTCC Filter (Preliminary)

WGLB-00120-A

50Ω 100 to 140 MHz

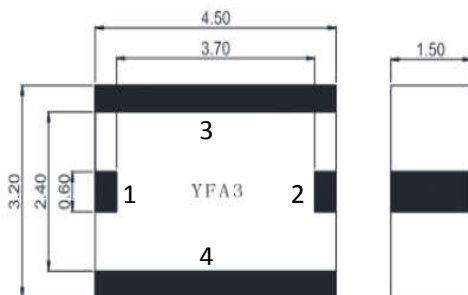
Structure and materials

Resonant body	Dielectric material
Input/output	Ar
Ground	Ar

Pad Connections

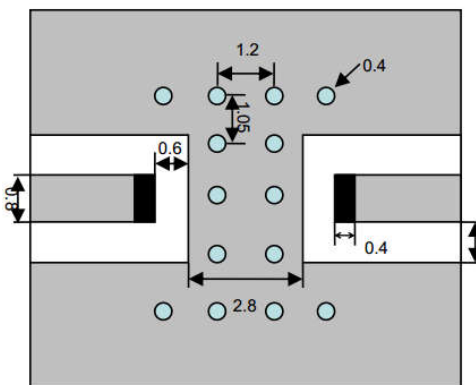
RF Input	1
RF Output	2
Ground	3/4

Outline Drawing



单位 (unit) : mm 公差 (tolerance) : ± 0.05mm

PCB Layout



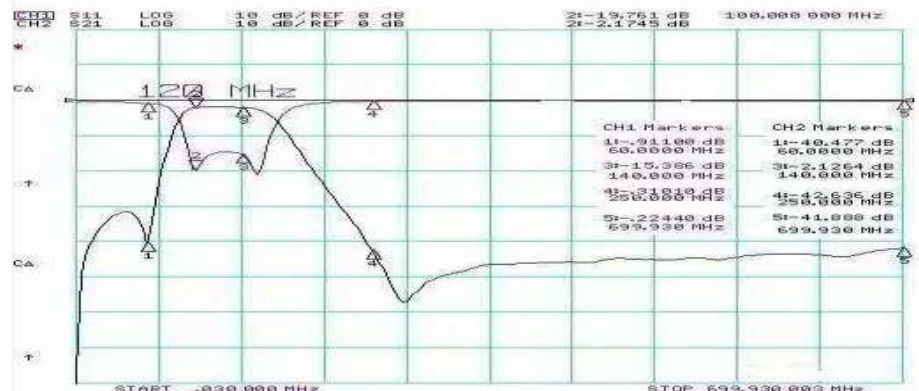
Work conditions

Work Temp	-55°C~+85°C
Storage Temp	-55°C~+85°C
Input power(MAX)	5W
Relative humidity	55~75%RH

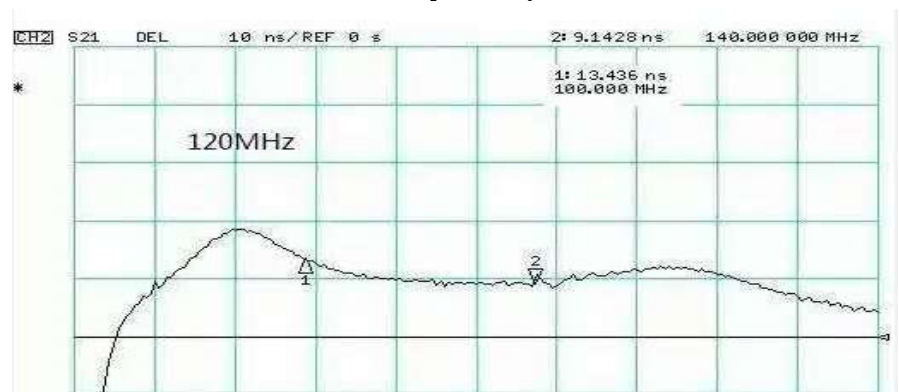
Electrical Specifications^{*a} (at 25°C)

Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Center Freq	-	-	120	-	MHz
	IL	100-140	-	-	2.5	dB
	Ripple	100-140	-	-	0.5	dB
	Group Delay	100-140	-	-	13.5	ns
Stop Band Att.	Room temp	DC-60	-	≥30	-	dB
		250-700	-	≥40	-	dB

Stop band Attenuation



Group Delay



Additional Notes

- *a. The specifications are tested at 25°C±5°C, relative humidity 55~75%RH.
- *b. Some unclear SPECS are not defined in this sheet, e.g. performance and quality. Please contact with technical for detailed requirements.



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