

Description: 1608 5GNR-n77 Band Pass Filter

PART NUMBER: BPF1608LRPFR3750L

Features:

- Compact size : 1.6x0.8x0.35mm
- RoHS compliant

Applications:

- WWAN
- 5GNR n77

ELECTRICAL SPECIFICATIONS

Item	Frequency Range(MHz)	Min.	Typ.	Max.
Insertion Loss (dB)	3300~4200	-	1.73	2.0
Insertion Loss (dB) at -40~85°C	3300~4200	-	-	2.5
Return Loss (dB)	3300~4200	14	19.49	-
Attenuation (dB)	100~2570	30	39.37	-
	2620~2690	25	41.91	-
	5150~5925	15	20.31	-
	6600~8400	25	40.61	-
	Ref. 9900~12600	25	31.30	-

Operating Temperature Range : -40~85°C

Power Capacity : 3W max.

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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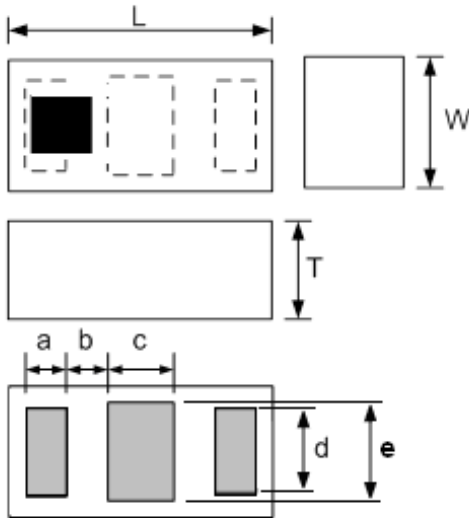
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MECHANICAL DIMENSION

Outline

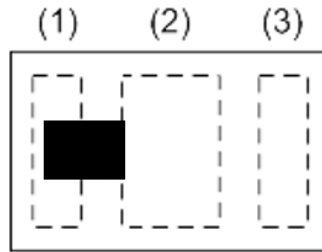


Termination

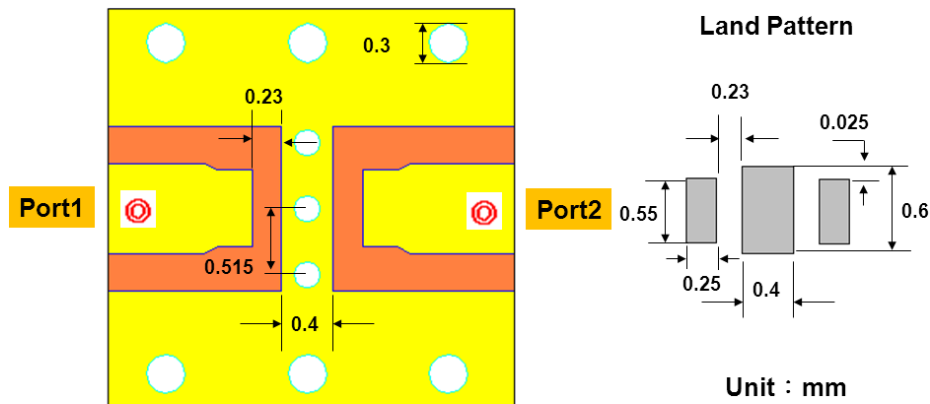
Terminal name	Function
P1	Input/Output
P2	GND
P3	Output/Input

Mechanical

	Dimension
L (mm)	1.60±0.10
W (mm)	0.80±0.10
T (mm)	0.35(Max.)
a (mm)	0.25±0.05
b (mm)	0.23±0.05
c (mm)	0.40±0.05
d (mm)	0.55±0.05
e (mm)	0.60±0.05



Reference design of EVB

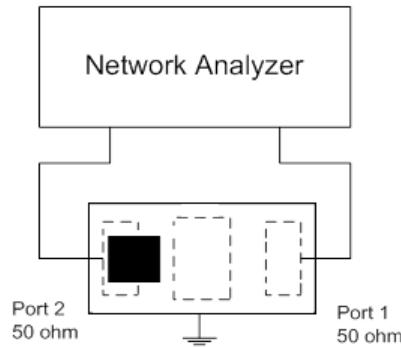


⊙ Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

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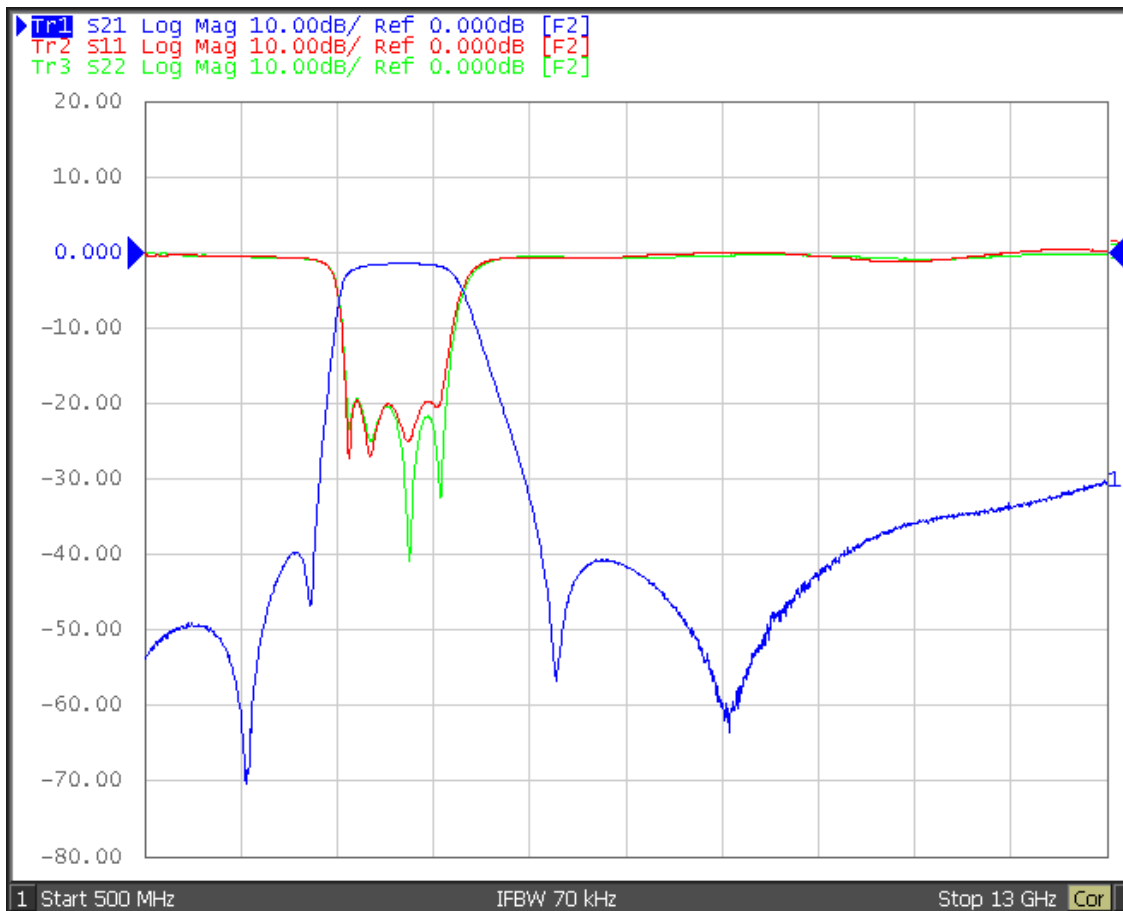
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MEASURING DIAGRAM



Test Instrument :
Agilent E5071A Network Analyzer.

ELECTRICAL PERFORMANCES



● Measured on Agilent E5071C Network Analyzer

Frequency Characteristics

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REVISION HISTORY

Revision	Date	Description
Version 1	Dec. 28, 2021	- New issue