LP2500M0402BT LOW PASS FILTER SPECIFICATION

Rev. B

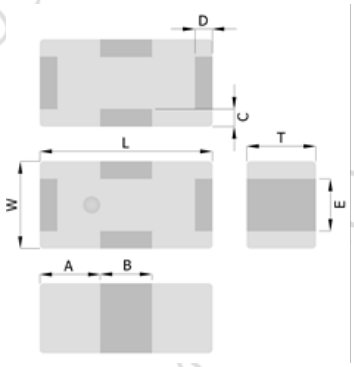
PRODUCT FEATURES

1. Surface mount low pass filter with a small size of 1.0 X 0.5 X 0.4 mm, RoHS compliant.
2. Provide low insertion loss and high rejection rate.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

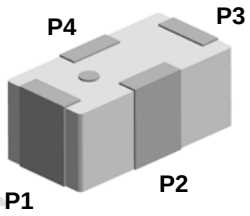
P/N LP2500M0402BT	Specification
Frequency range	2400-2500MHz
Insertion Loss (max)	0.75 dB max
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	33 dB @ 4800- 5000MHz 37 dB @ 7200- 7500MHz
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



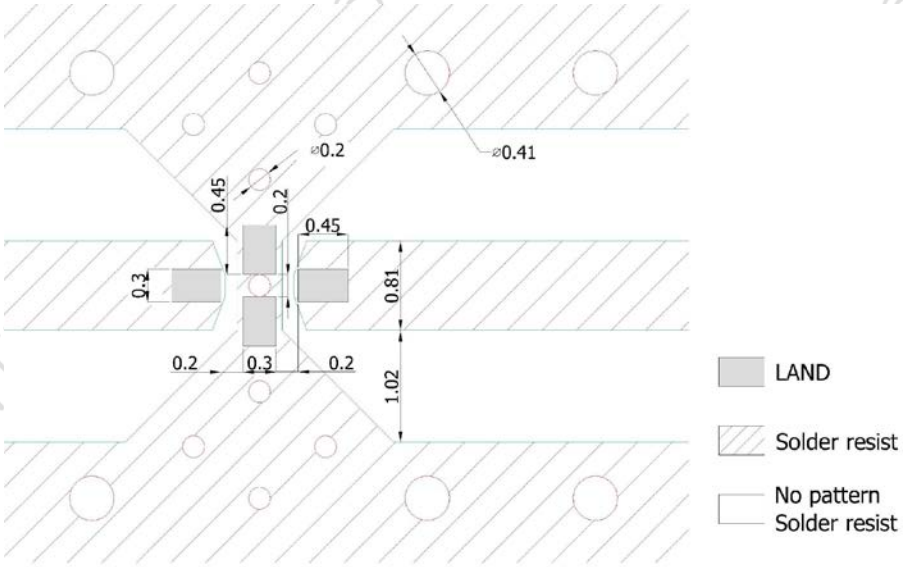
Symbol	Dimension (mm)
L	1.00 ± 0.10
W	0.50 ± 0.10
T	0.40 ± 0.10
A	0.35 ± 0.10
B, E	0.30 ± 0.10
C, D	0.15 ± 0.10

TERMINAL CONFIGURATION



PIN	Definition
P1	Input
P2	GND
P3	Output
P4	GND

PCB DESIGN/LAYOUT CONSIDERATION

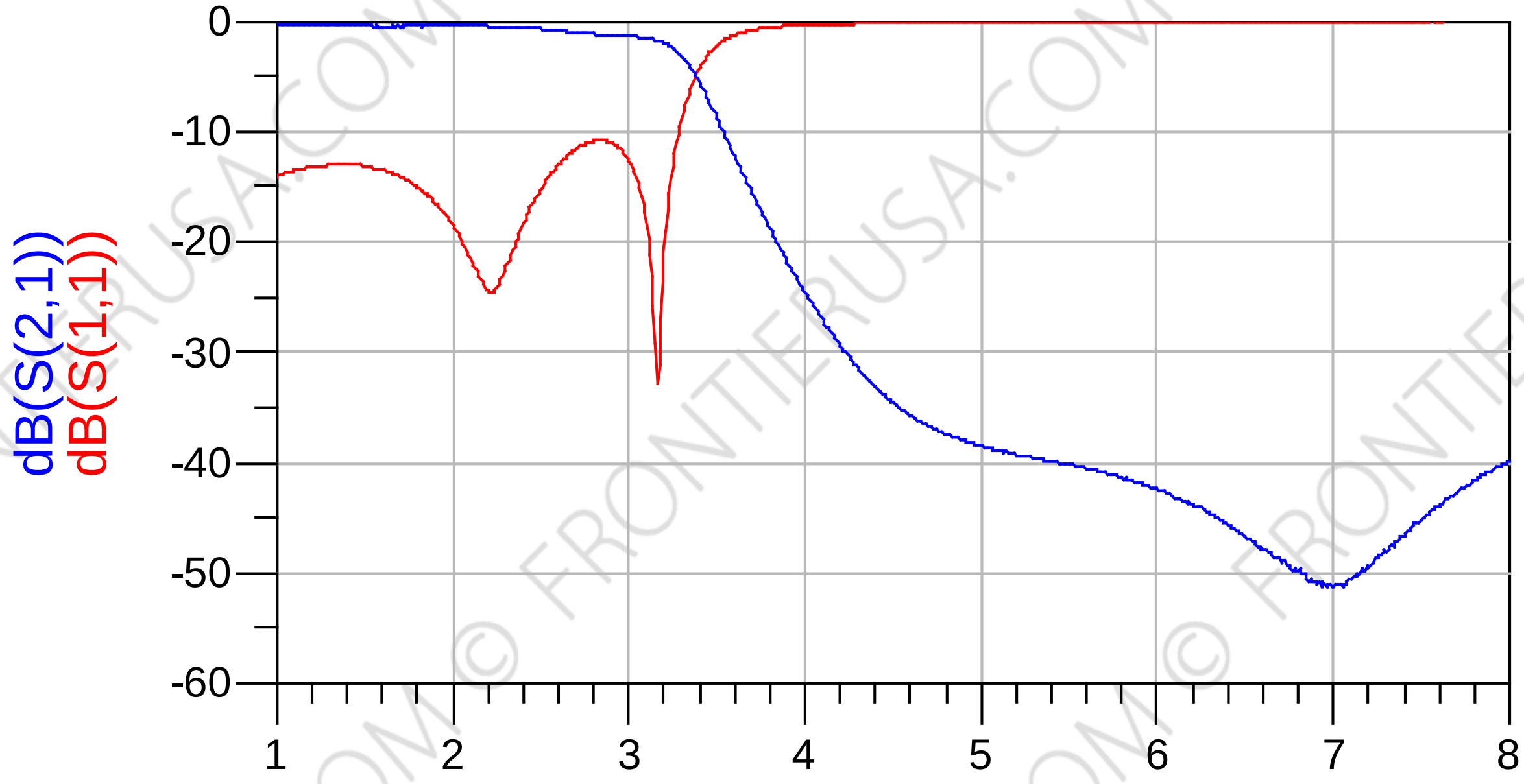


Note:

- **Unit in mm**
- **Design trace width to be 50Ω impedance.**

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Typical RF Performance



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