



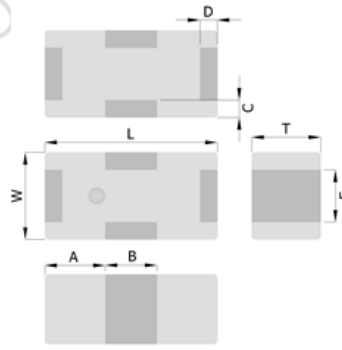
PRODUCT FEATURES

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

RF CHARACTERISTICS

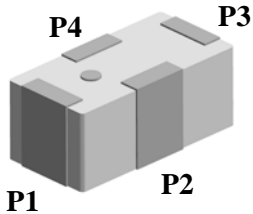
P/N BP2500B0402AT	Specification
Frequency range	2400 - 2500 MHz
Insertion Loss (max)	2.5 dB at +25°C
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	25 dB @ 824-960 MHz 20 dB @ 1710-1910 MHz 20 dB @ 4800-5000 MHz 15 dB @ 7200-7500 MHz
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



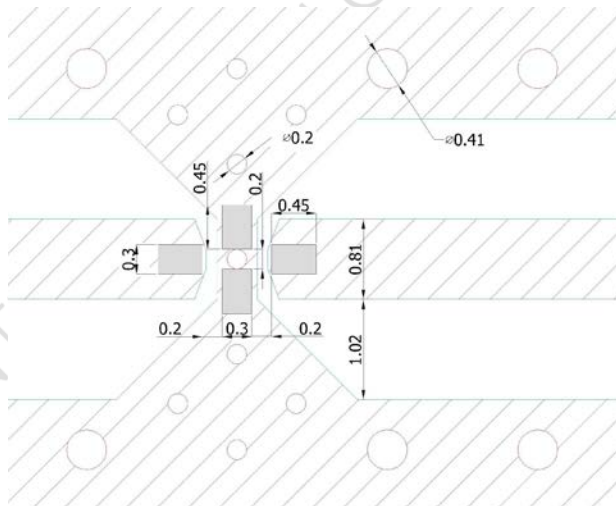
Symbol	Dimension (mm)
L	1.00 ± 0.10
W	0.50 ± 0.10
T	0.40 ± 0.10
A	0.35 ± 0.10
B, E	0.30 ± 0.10
C, D	0.15 ± 0.10

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.



Typical RF Performance

