



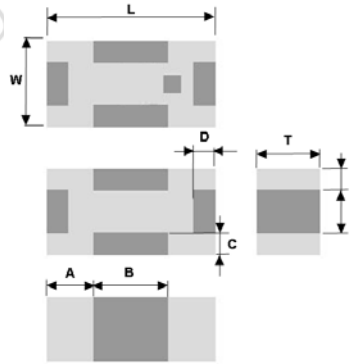
## PRODUCT FEATURES

1. Surface mount band pass filter with a small size of 1.6 X 0.8 X 0.7 mm, RoHS compliant.
2. Provide low insertion loss and high rejection rate.
3. Highly stable under temperature and humidity changes.

## RF CHARACTERISTICS

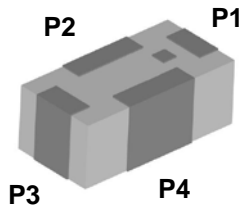
P/N BP2500B0603JT	Specification
Frequency range	2400 - 2500 MHz
Insertion Loss (max)	1.80 dB max. at 25 °C 2.2 dB max. at -40°C to +85 °C
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	35 dB @ 880 - 960MHz 25 dB @ 1710 - 1910 MHz 30 dB @ 4800 - 5000MHz 25 dB @ 7200 - 7500MHz
Operating temperature range	-40°C to +85°C

## PHYSICAL DIMENSIONS



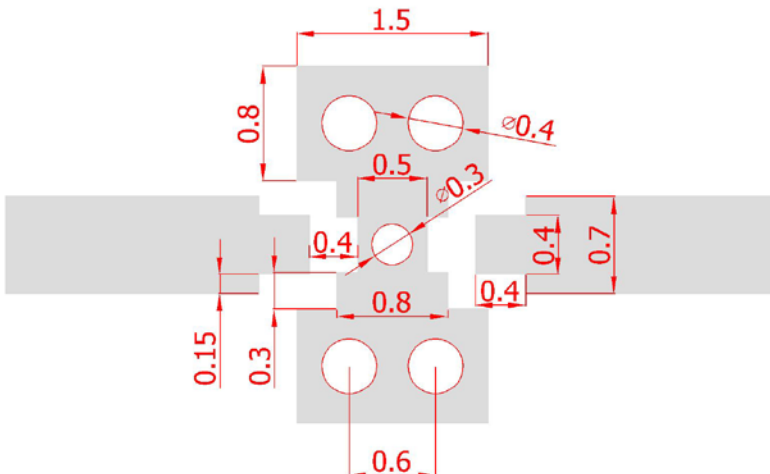
Symbol	Dimension (mm)
L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.70 ± 0.10
A	0.45 ± 0.15
B	0.70 ± 0.15
C, D	0.20 ± 0.10
E	0.25 ± 0.15
F	0.30 ± 0.15

## 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

