



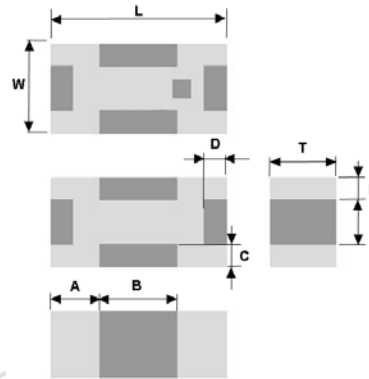
## PRODUCT FEATURES

1. Surface mount band pass filter with a small size of 2.0 X 1.2 X 0.9 mm, RoHS compliant.
2. Provide low insertion loss and high rejection rate.
3. Highly stable under temperature and humidity changes.

## RF CHARACTERISTICS

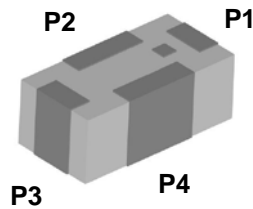
P/N BP2500B0805ET	Specification
Frequency range	2400 - 2500 MHz
Insertion Loss (max)	1.4 dB max.
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	30dB @ 824-960MHz 30dB @ 1710-1910 MHz 20dB @ 1920-1990 MHz 6dB @ 2110-2170 MHz 20dB @ 4800-5000 MHz
Operating temperature range	-40°C to +85°C

## PHYSICAL DIMENSIONS



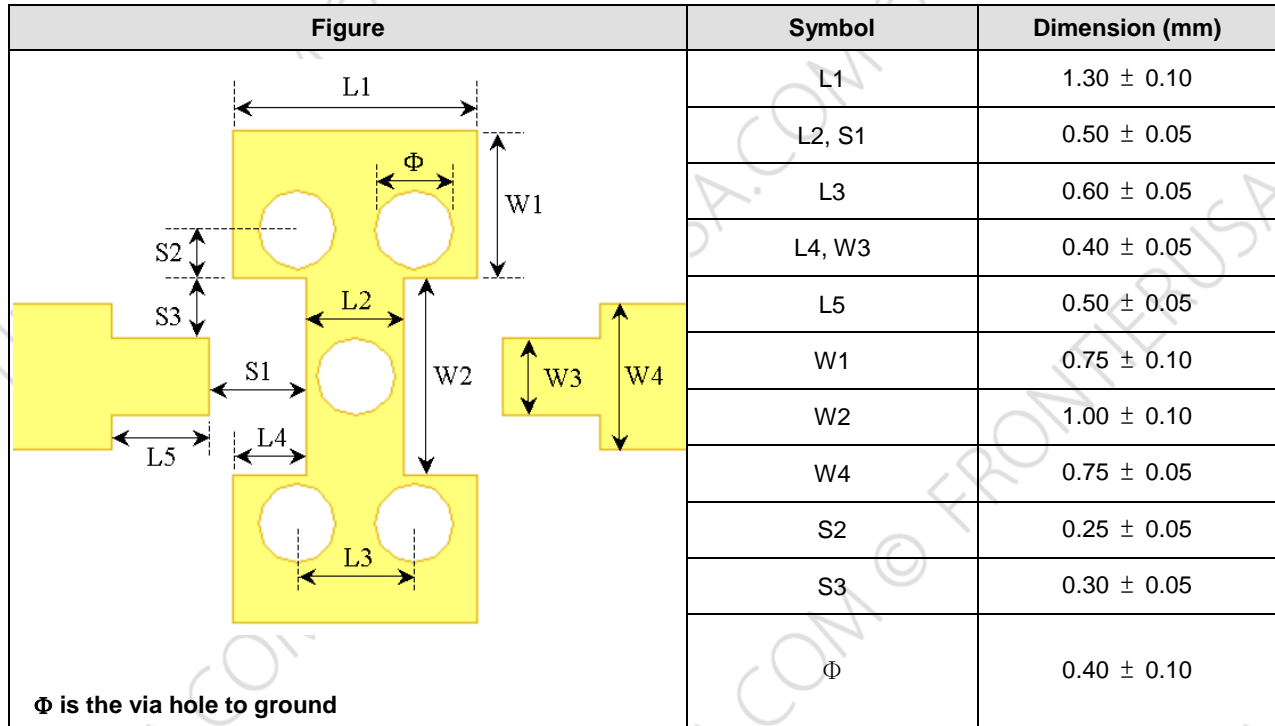
Symbol	Dimension (mm)
L	2.00 ± 0.15
W	1.25 ± 0.15
T	0.90 ± 0.10
A	0.50 ± 0.15
B	1.00 ± 0.15
C, D	0.25 ± 0.15
E	0.45 ± 0.15
F	0.35 ± 0.15

## TERMINAL CONFIGURATION



PIN	Definition
P1	Input
P2	GND
P3	Output
P4	GND

## PCB DESIGN/LAYOUT CONSIDERATION



Note: Design trace width to be 50Ω impedance.

## Typical RF Performance

