



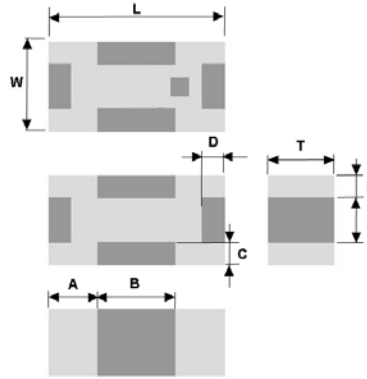
PRODUCT FEATURES

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

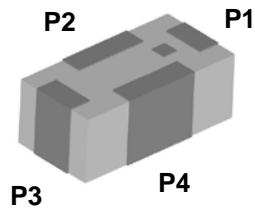
P/N BP2500B0805DT	Specification
Frequency range	2400 - 2500 MHz
Insertion Loss (max)	1.7 dB max.
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	30 dB @ 900 MHz 20 dB @ 1850 MHz 30 dB @ 4800 MHz
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



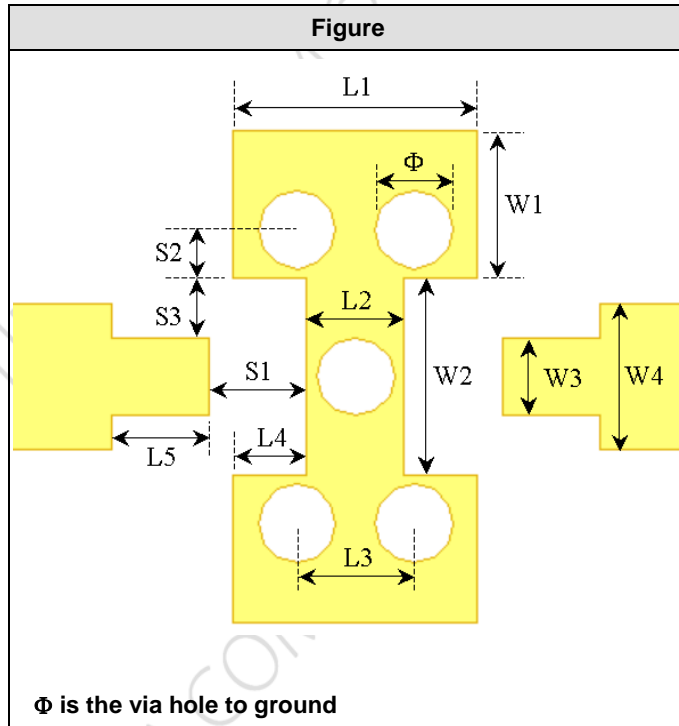
Symbol	Dimension (mm)
L	2.00 ± 0.15
W	1.25 ± 0.15
T	0.90 ± 0.10
A	0.50 ± 0.15
B	1.00 ± 0.15
C, D	0.25 ± 0.15
E	0.45 ± 0.15
F	0.30 ± 0.15

TERMINAL CONFIGURATION



PIN	Definition
P1	Input/Output
P2	GND
P3	Output/Input
P4	GND

PCB DESIGN/LAYOUT CONSIDERATION

Figure	Symbol	Dimension (mm)
 <p>Φ is the via hole to ground</p>	L1	1.30 ± 0.10
	L2, S1	0.50 ± 0.05
	L3	0.60 ± 0.05
	L4, W3	0.40 ± 0.05
	L5	0.50 ± 0.05
	W1	0.75 ± 0.10
	W2	1.00 ± 0.10
	W4	0.75 ± 0.05
	S2	0.25 ± 0.05
	S3	0.30 ± 0.05
	Φ	0.40 ± 0.10

Note: Design trace width to be 50Ω impedance.

Typical RF Performance

