



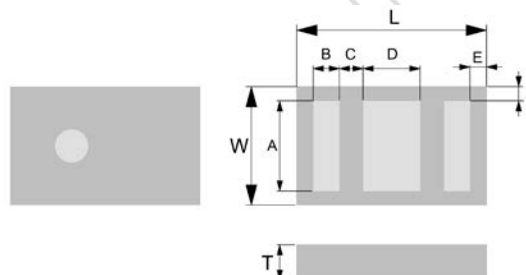
PRODUCT FEATURES

1. Surface mount band pass filter with a small size of 2.0 X 1.2 X 0.4 mm, RoHS compliant.
2. Provide low insertion loss, high rejection rate, and low profile thickness.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

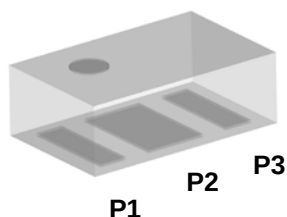
P/N BP2500D0805BT	Specification
Frequency range	2400 - 2500 MHz
Insertion Loss (max)	2.5 dB max
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	30 dB @ 824 - 849 MHz
	30 dB @ 880 - 915 MHz
	30 dB @ 1545 - 1605 MHz
	30 dB @ 1565 - 1585 MHz
	35 dB @ 1710 - 1785 MHz
	40 dB @ 1850 - 1910 MHz
	32 dB @ 1920 - 1980 MHz
	7 dB @ 3168 - 4752 MHz
	11 dB @ 3300 - 3800 MHz
	35 dB @ 4800 - 4967 MHz
	26 dB @ 5150 - 6000 MHz
	23 dB @ 7200 - 7450 MHz
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



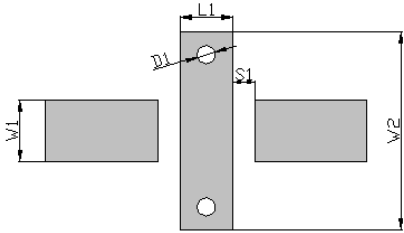
Symbol	Dimension (mm)
L	2.00 $\pm$ 0.15
W	1.25 $\pm$ 0.10
T	0.45 $\pm$ 0.10
A	0.95 $\pm$ 0.10
B	0.275 $\pm$ 0.10
C	0.25 $\pm$ 0.10
D	0.60 $\pm$ 0.10
E	0.175 $\pm$ 0.10
F	0.15 $\pm$ 0.10

TERMINAL CONFIGURATION



PIN	Definition
P1	INPUT
P2	GND
P3	OUTPUT

PCB DESIGN/LAYOUT CONSIDERATION

Figure	Symbol	Dimension (mm)
	L1	0.60 ± 0.10
	W1	0.70 ± 0.05
	W2	2.25 ± 0.10
	D1	0.20 ± 0.05
	S1	0.25 ± 0.05

Note:

- Design trace width to be 50Ω impedance.

Typical RF Performance

