



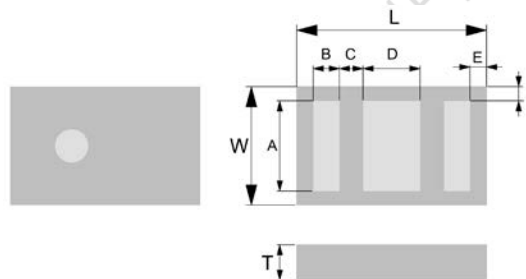
PRODUCT FEATURES

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.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

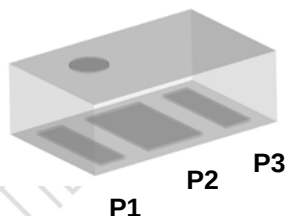
P/N BP2500D0805FT	Specification
Frequency range	2400 - 2500 MHz
Insertion Loss (max)	2.5 dB max
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	25@ 746-764MHz 30@ 824-849MHz 26@ 869-960MHz 28@ 1570-1580MHz 28@ 1710-1785MHz 30@ 1850-1910MHz 30@ 1930-1990MHz 30@ 2110-2170MHz 15@ 3300-3800MHz 35@ 4800-5000MHz 20@ 7200-7450.5MHz
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

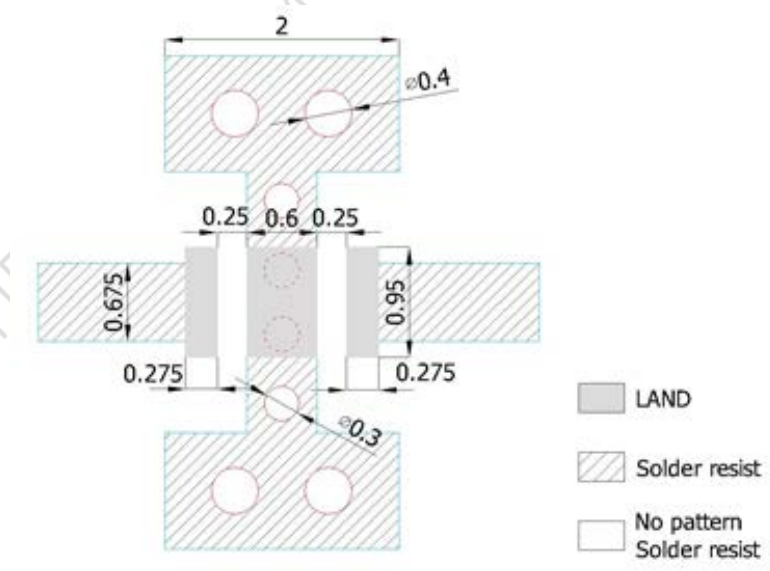
TERMINAL CONFIGURATION



PIN	Definition
P1	INPUT
P2	GND
P3	OUTPUT



PCB DESIGN/LAYOUT CONSIDERATION



Note:

- Unit in mm
- Design trace width to be 50Ω impedance.

Typical RF Performance

