



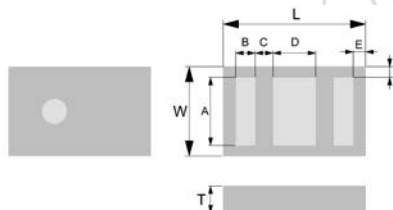
PRODUCT FEATURES

1. Surface mount band pass filter with a small size of 2.0 X 1.2 X 0.8 mm, RoHS compliant.
2. Provide low insertion loss and high rejection rate.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

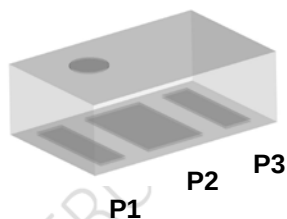
P/N BP2500D0805ET	Specification
Frequency range	2400 - 2500 MHz
Insertion Loss (max)	1.8 dB max at +25°C
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	35@ 824-960MHz 28@ 1540-1605MHz 30@ 1710-1990MHz 30@ 2170MHz 6@ 3200MHz 30@ 4800-4967MHz 20@ 5150-6000MHz 18@ 7200-7450MHz
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



Symbol	Dimension (mm)
L	2.00 ± 0.15
W	1.25 ± 0.10
T	0.80 ± 0.10
A	0.95 ± 0.10
B	0.275 ± 0.10
C	0.25 ± 0.10
D	0.60 ± 0.10
E	0.175 ± 0.10
F	0.15 ± 0.10

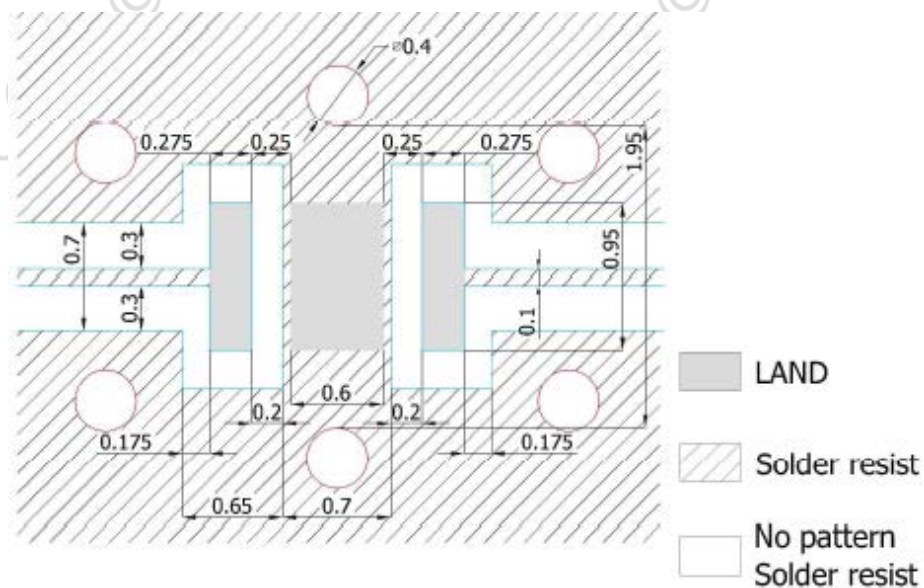
TERMINAL CONFIGURATION



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

