



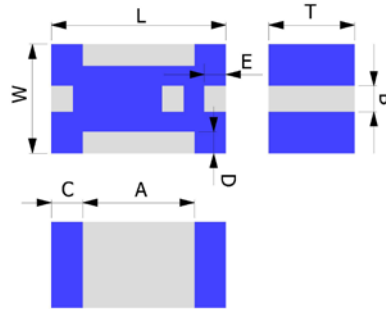
## PRODUCT FEATURES

1. Surface mount band pass filter with a small size of 2.0 X 1.25 X 0.95 mm, RoHS compliant.
2. Provide low insertion loss and high rejection rate.
3. Highly stable under temperature and humidity changes.

## RF CHARACTERISTICS

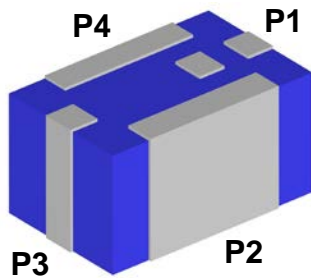
P/N BP5900B0805ET	Specification
Frequency range	5150- 5850 MHz
Insertion Loss (max)	1.6 dB max. at 25°C
	1.8 dB max. -40°C to +85°C
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	30 dB @ 500 MHz
	40 dB @ 2000 MHz
	35 dB @ 3450 MHz
	30 dB @ 4000 MHz
	20 dB @ 4200 MHz
Operating temperature range	-40°C to +85°C

## PHYSICAL DIMENSIONS



Symbol	Dimension (mm)
L	2.00 ± 0.15
W	1.25 ± 0.10
T	0.95 ± 0.10
A	1.30 ± 0.15
B	0.30 ± 0.15
C	0.35 ± 0.15
D	0.25 ± 0.15
E	0.25 ± 0.10

## TERMINAL CONFIGURATION



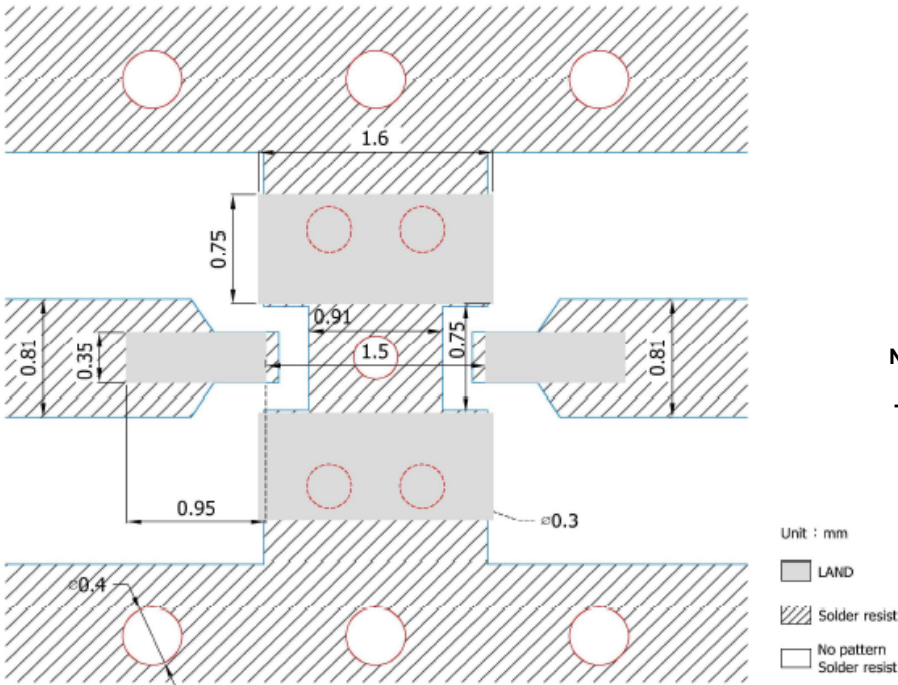
PIN	Connection
1	INPUT
2	GND
3	OUTPUT
4	GND

## PCB DESIGN/LAYOUT CONSIDERATION



# BP5900B0805ET BAND PASS FILTER SPECIFICATION

Rev. A



**Note:**

- Design trace width to be 50Ω impedance.

## Typical RF Performance

