

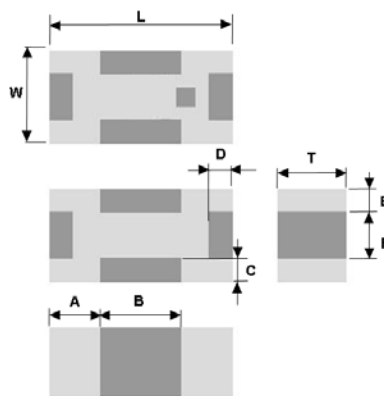
PRODUCT FEATURES

1. Surface mount band pass filter with a small size of 1.6 X 0.8 X 0.7 mm, RoHS compliant.
2. Provide low insertion loss, and high rejection rate.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

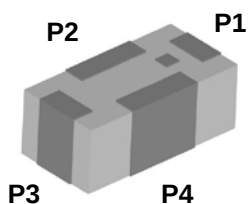
P/N BP2400B0603AT	Specification
Frequency range	2300 - 2390 MHz
Insertion Loss (max)	2.0 dB max
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	29 dB @ 880-915 MHz 29 dB @ 1710-1785 MHz 21 dB @ 1850-1910 MHz 15 dB @ 1920-1980 MHz 18 dB @ 4600-4780 MHz 23 dB @ 6900-7170 MHz
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



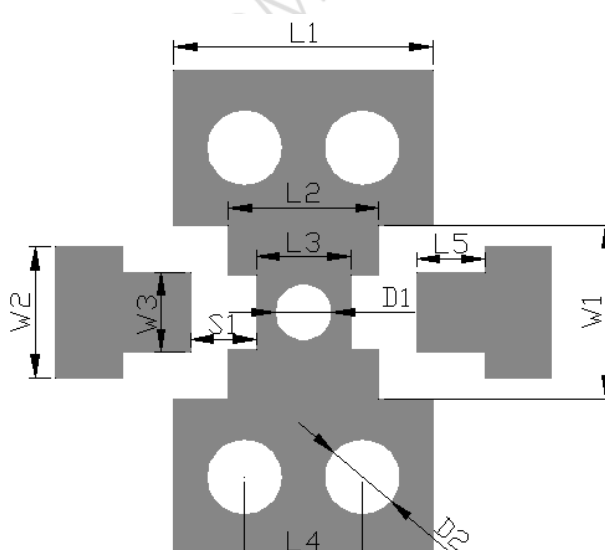
Symbol	Dimension (mm)
L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.70 ± 0.10
A	0.40 ± 0.15
B	0.80 ± 0.15
C, D	0.20 ± 0.15
E	0.25 ± 0.15
F	0.30 ± 0.15

TERMINAL CONFIGURATION



PIN	Definition
P1	Input
P2	GND
P3	Output
P4	GND

PCB DESIGN/LAYOUT CONSIDERATION

Figure	Symbol	Dimension (mm)
	L1	1.40 ± 0.10
	L2	0.80 ± 0.05
	L3	0.50 ± 0.05
	L4	0.64 ± 0.05
	L5	0.37 ± 0.05
	W1	0.94 ± 0.10
	W2	0.70 ± 0.05
	W3	0.43 ± 0.05
	D1	0.30 ± 0.05
	D2	0.35 ± 0.05
	S1	0.35 ± 0.05
Line width design to be 50 Ω characteristic impedance. D1 and D2 are grounding through holes.		

Typical RF Performance

