



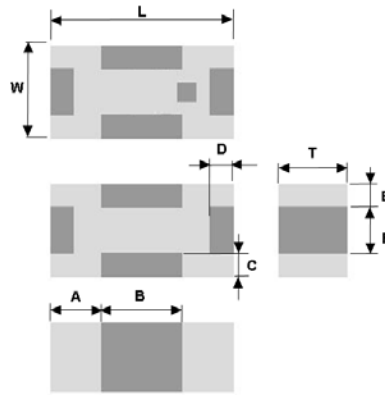
PRODUCT FEATURES

1. Surface mount band pass filter with a small size of 2.0 X 1.2 X 0.5 mm, RoHS compliant.
2. Provide low insertion loss, and high rejection rate.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

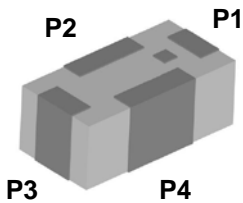
P/N BP2700B0805AT	Specification
Frequency range	2300 - 2690 MHz
Insertion Loss (max)	2.0 dB max
VSWR	2.0 max
Impedance	50 Ω
Attenuation (min.)	20 dB @ 1600 MHz 30 dB @ 3490 MHz 30 dB @ 4000 MHz 30 dB @ 4490 MHz 30 dB @ 8000 MHz
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



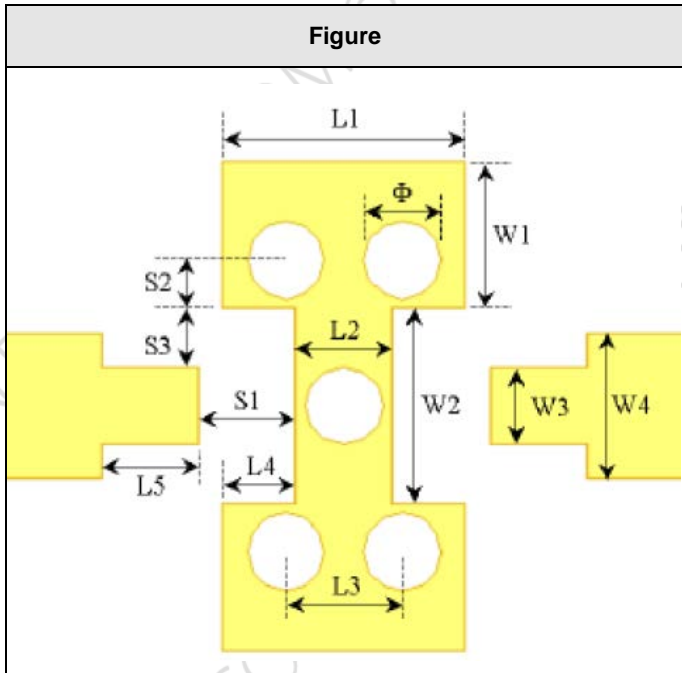
Symbol	Dimension (mm)
L	2.00 ± 0.15
W	1.20 ± 0.15
T	0.50 ± 0.10
A	0.45 ± 0.15
B	1.10 ± 0.15
C, D	0.25 ± 0.15
E	0.45 ± 0.15
F	0.30 ± 0.15

TERMINAL CONFIGURATION



PIN	Definition
P1	Input
P2	GND
P3	Output
P4	GND

PCB DESIGN/LAYOUT CONSIDERATION

Figure	Symbol	Dimension (mm)
	L1	1.30 ± 0.10
	L2, L5	0.50 ± 0.05
	L3	0.60 ± 0.05
	L4	0.40 ± 0.05
	W1	0.75 ± 0.10
	W2	1.0 ± 0.10
	W3	0.40 ± 0.05
	W4	0.75 ± 0.05
	S1	0.50 ± 0.05
	S2	0.25 ± 0.05
	S3	0.30 ± 0.05
	Line width design to be 50 Ω characteristic impedance. Φ are grounding through holes with diameter equal 0.40 ± 0.10.	

Typical RF Performance

