

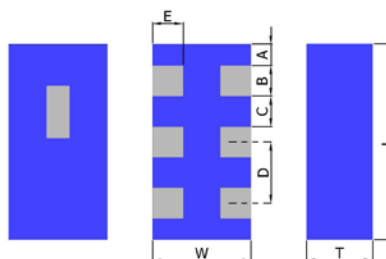
PRODUCT FEATURES

1. Surface mount balun matched filter with a small size of 1.6 X 0.8 X 0.5 mm, RoHS compliant.
2. Provide conjugate match to AR6003 chipset.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

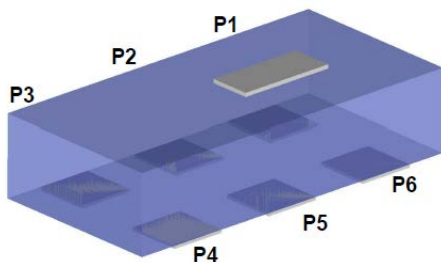
P/N BM2450L0603AT	Specification
Frequency range	2400 - 2500 MHz
Insertion Loss	1.2 dB max
VSWR	2.0 max
Impedance (Unbalanced)	50 Ω
Impedance (Balanced)	Conjugate to AR6003 chipset
Phase Difference	180°± 10°
Amplitude Difference	2.0 dB Max
Operating temperature range	-40°C to +85°C

PHYSICAL DIMENSIONS



Symbol	Dimension (mm)
L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.50 ± 0.10
A	0.175 ± 0.10
B	0.25 ± 0.10
C	0.25 ± 0.10
D	0.50 ± 0.10
E	0.25 ± 0.10

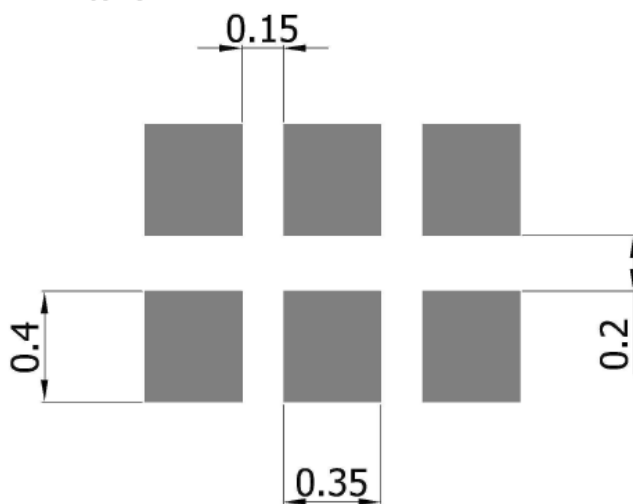
TERMINAL CONFIGURATION



PIN	Connection	PIN	Connection
1	Unbalanced Port	4	Balanced Port
2	DC	5	GND or NC
3	GND	6	Balanced Port



PCB DESIGN/LAYOUT CONSIDERATION



Note:

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

Typical RF Performance

