



BM2450K0603AT BALUN SPECIFICATION

Rev. A

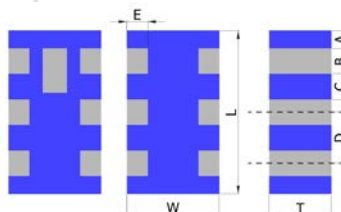
PRODUCT FEATURES

1. Surface mount matched balun with a small size of 1.6 x 0.8 x 0.6 mm (0603 size), RoHS compliant.
2. DC block built-in for unbalanced port. Low insertion loss and inband amplitude/phase imbalance.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

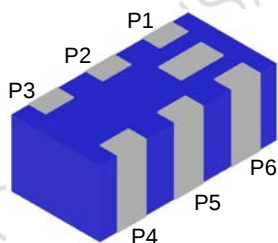
P/N BM2450K0603AT	Specification
Working Frequency	2450 ± 50 MHz
Insertion Loss	2 dB max
Unbalanced Impedance	50Ω
Balanced Impedance	Conjugate matched to Atheros AR3011 chipset
VSWR	1.5 max
Attenuation (min)	35dB @ 4800 - 5000MHz 25dB @ 7200 - 7500 MHz
Operation Temperature	-40°C to +85°C

PHYSICAL DIMENSIONS



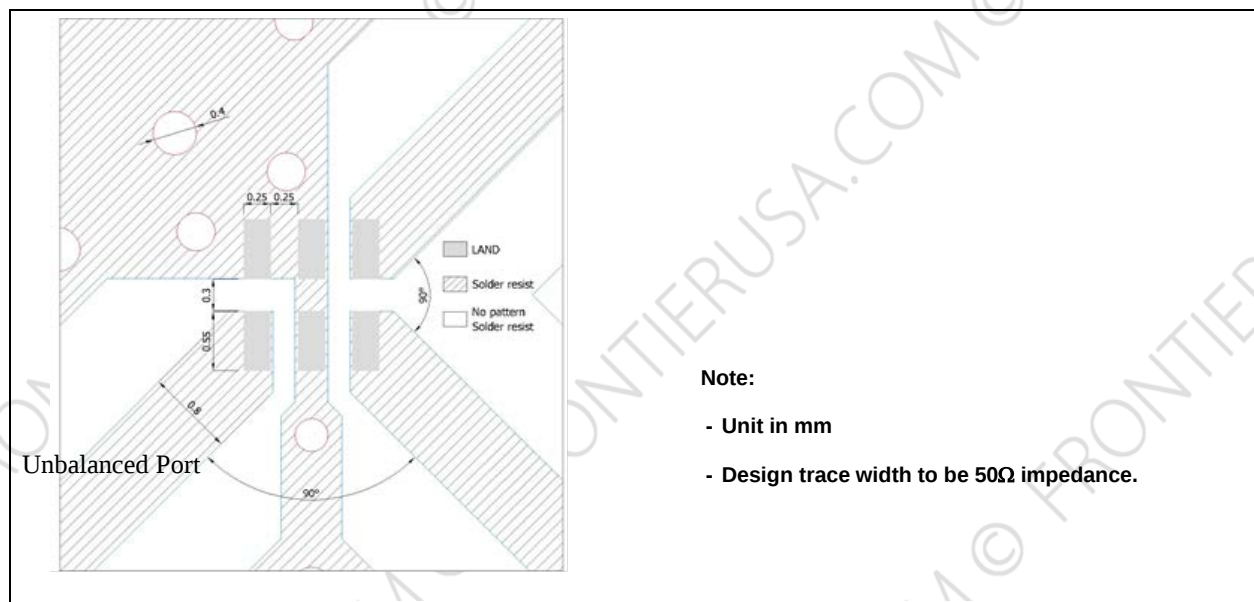
	Dimension (mm)
L	1.60 ± 0.10
W	0.80 ± 0.10
T	0.60 ± 0.10
A	0.175 ± 0.10
B	0.25 ± 0.15
C	0.25 ± 0.15
D	0.50 ± 0.10
E	0.15 ± 0.10

TERMINAL CONFIGURATION



PIN	Definition	PIN	Definition
P1	Unbalanced Port	P4	Balanced Port
P2	GND	P5	GND
P3	Balanced Port	P6	GND

PCB DESIGN/LAYOUT CONSIDERATION





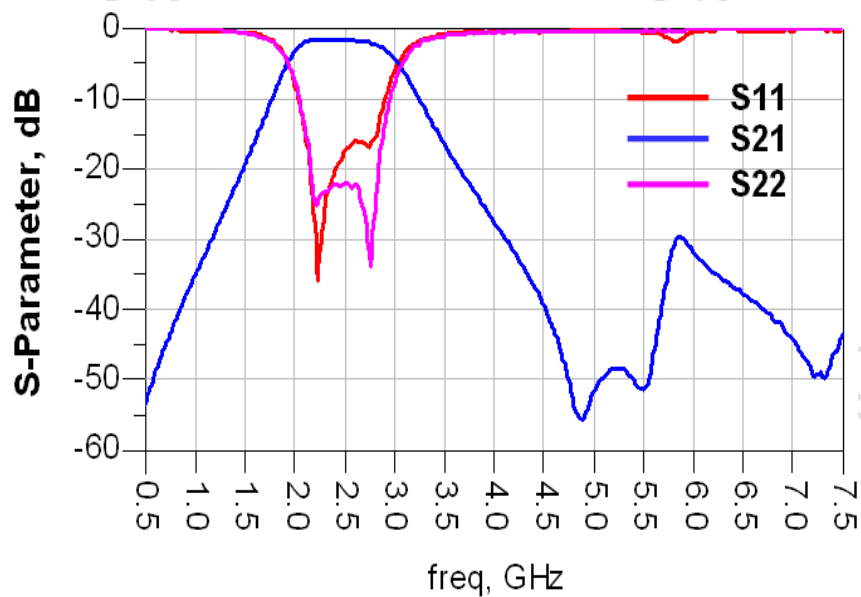
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TEST DATA

Typical RF Performance

(1). Amplitude balance



(2). Phase balance

