



BL2450K06031T BALUN SPECIFICATION

Rev A

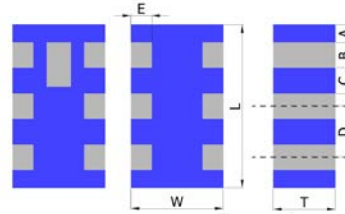
PRODUCT FEATURES

1. Surface mount ceramic balun with a small size of 1.6 x 0.8 x 0.5 mm (0603 size).
2. Low insertion loss and inband amplitude/phase imbalance.
3. Highly stable under temperature and humidity changes.
4. Superior performance in a compact size, RoHS compliant.

RF CHARACTERISTICS

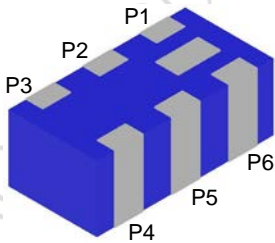
P/N BL2450K06041T	Specification
Working Frequency Range	2450 ± 50 MHz
Insertion Loss (dB) Max	1.2
Unbalanced Impedance (Ω)	50
Balanced Impedance (Ω)	50
Return Loss (dB) Min.	9.5
Amplitude Balance (dB)	2.0
Phase Balance (degree)	180° ± 10°
Operation Temperature Range	-40°C to +85°C

PHYSICAL DIMENSIONS



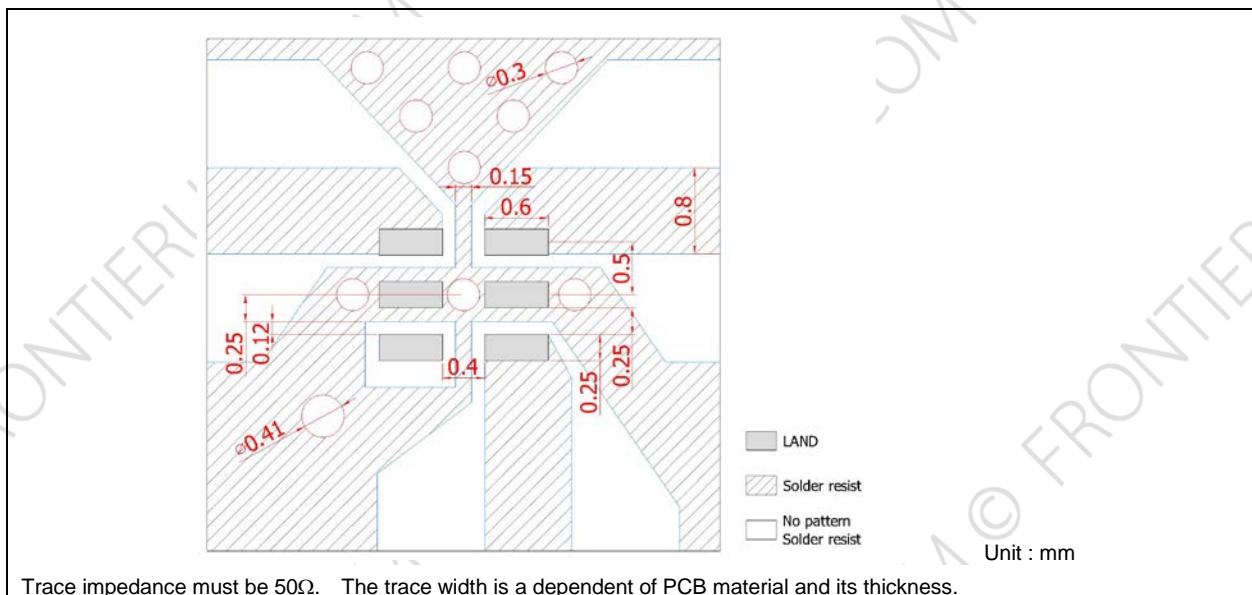
	Dimension (mm)
L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.50 ± 0.10
A	0.175 ± 0.15
B	0.25 ± 0.15
C	0.25 ± 0.15
D	0.50 ± 0.15
E	0.20 ± 0.15

TERMINAL CONFIGURATION



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

PCB DESIGN/LAYOUT CONSIDERATION





TEST DATA

