LTCC RF Balun Transformer EBL4600-18B050

REV: 0

Features



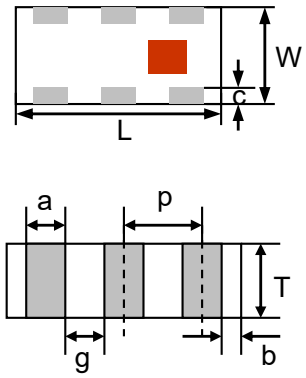
- Multilayer LTCC Technology
- RF Input Power: 3W (CW) at 25℃
- Operating Temperature: - 40℃~+105℃
- Storage Temperature: - 55℃~+125℃
- New circuit topology for excellent return loss and low insertion loss

Application

- Application to GSM、TDMA、PDC、WAN、
- Aapplication to TACS、AMPS、NAMPS navigation.

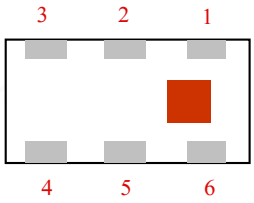
Dimensions (Unit:inch/mm)

	Inch	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.008 ± 0.004	0.20 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.006 ± 0.004	0.15 ± 0.10
g	0.012 ± 0.004	0.30 ± 0.10
p	0.020 ± 0.002	0.50 ± 0.05



Pin Connections

1	Unbalanced Port (IN)
2	GND or DC feed + RF GND
3	Balanced Port (OUT1)
4	Balanced Port (OUT2)
5	GND
6	NC



Performance Parameter 25℃

Frequency Range	3200 MHz ~ 6000 MHz
Insertion Loss	≤1.4dB @ 3200~6000MHz ≤1.1dB @ 3200~4000MHz ≤1.1dB @ 4000~5000MHz
Amplitude Ripple（any 400MHz）	≤0.8dB @ 3200~6000MHz ≤0.5dB @ 3200~4000MHz ≤0.5dB @4000~5000MHz
Unbalanced Impedance	50 Ω
Balanced Impedance	50Ω (25 Ω+25 Ω)
Unbalanced Port SWR	≤2.0 @ 3200~6000 MHz
Balanced Port SWR	≤2.0 @ 3200~6000 MHz
Amplitude Impedance	±1.2dB @ 3200~6000MHz ±1.0dB @ 3200~4000MHz ±1.0dB @4000~5000MHz
Phase Impedance	180±10°@ 3200~6000MHz
Rated Power	3W

