

SLMB-TC2-1T

Features

- usable over 3–300 MHz
- Excellent amplitude unbalance (0.5 dB typ) and phase unbalance (4 deg. typ) in 1 dB bandwidth
- good return loss
- plastic base with leads
- aqueous washable

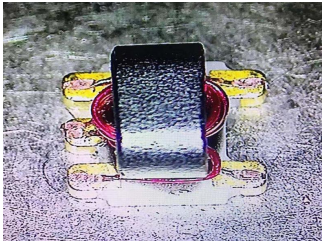
Applications

- VHF/UHF receivers/transmitters
- push-pull amplifiers

ELECTRICAL SPECIFICATIONS AT 25°C

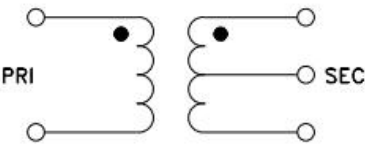
Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Impedance Ratio (primary/secondary)			2		
Frequency Range		3		300	MHz
Insertion Loss*	— — 3-300		3 2 1		dB
Amplitude Unbalance	3-300		0.5		dB
Phase Unbalance	3-300		4		Degree

* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.



50Ω 3 to 300 MHz

Config. A



TYPICAL PERFORMANCE DATA

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
3.00	0.38	21.63	0.05	0.54
5.00	0.33	20.24	0.04	0.57
10.00	0.34	19.32	0.02	0.45
50.00	0.37	19.41	0.03	0.56
70.00	0.40	19.34	0.04	0.64
100.00	0.44	19.00	0.07	0.86
150.00	0.52	18.11	0.14	1.30
200.00	0.60	17.06	0.25	1.68
300.00	0.80	15.00	0.53	2.44

Maximum Ratings

Operating Temperature -20°C to 85°C

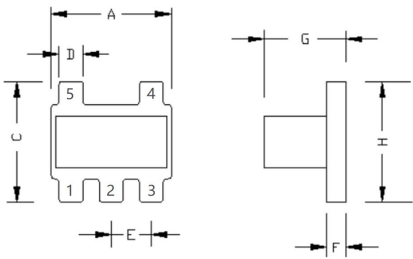
Storage Temperature -55°C to 100°C

RF Power 0.5W

DC Current 30mA

Permanent damage may occur if any of these limits are exceeded.

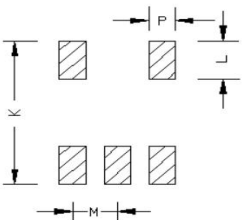
Outline Drawing



Pin Connections

- PRIMARY 5
- SECONDARY CT 2
- PRIMARY DOT 4
- SECONDARY 1
- SECONDARY DOT 3

PCB Land Pattern



Outline Dimensions (mm)

A	3.81	N	-
B	-	M	1.27
C	3.81	P	0.76
D	0.76		
E	1.27		
F	0.61		
G	2.61		
H	3.81		
J	-		
K	4.81		
L	1.30		
WT	0.1		