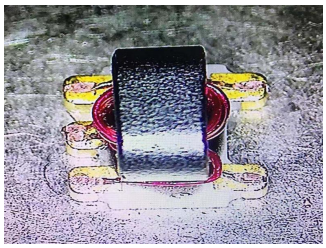
SLMB-TC1-1T



50Ω 0.4 to 500 MHz

Features

- usable over 0.4-500 MHz
- excellent amplitude unbalance, 0.1 dB typ. and phase unbalance, 2 deg typ. in 1 dB bandwidth
- good return loss
- plastic base with leads
- aqueous washable

Applications

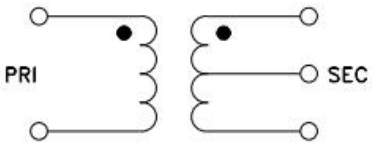
- VHF/UHF receivers/transmitters
- push-pull amplifiers

Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS* 1dB	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1	0.4-500	0.4-500	7	1

* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

Config. A



Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
0.30	0.88	15.46	0.06	0.03
1.00	0.57	21.01	0.04	0.05
5.00	0.33	27.35	0.02	0.01
10.00	0.32	28.55	0.02	0.15
50.00	0.40	23.46	0.02	0.63
100.00	0.51	18.34	0.06	1.24
200.00	0.78	13.01	0.21	2.57
300.00	1.10	10.06	0.47	3.99
400.00	1.46	8.16	0.82	5.66
500.00	1.84	6.90	1.26	7.50

Maximum Ratings

Operating Temperature -20°C to 85°C

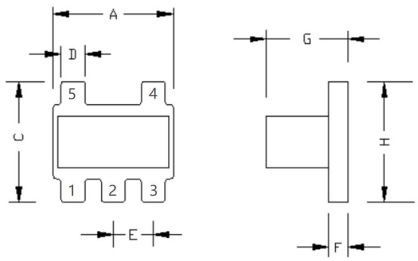
Storage Temperature -55°C to 100°C

RF Power 0.5W

DC Current 30mA

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

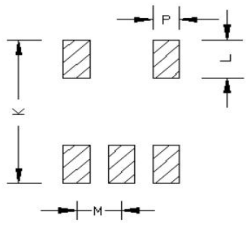
Outline Drawing



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		