

50Ω 4.5 to 3000 MHz
SLMB-TC1-1-13M

SMD RF Transformer

Http://www.shinhom.com www.shinhomtech.com

Features

- wideband, 4.5 to 3000 MHz
- balanced transmission line
- good return loss
- excellent amplitude unbalance, 0.5 dB typ. and phase unbalance, 2 deg typ. in 1 dB bandwidth
- plastic base with leads
- aqueous washable

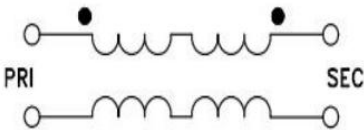
Applications

- balanced to unbalanced transformation
- push-pull amplifiers
- PCS/DCS
- MMDS



50Ω 4.5 to 3000 MHz

Config. G



Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTIO N LOSS*	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1	4.5-3000	4.5-3000 1dB	5	0.5
* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.				

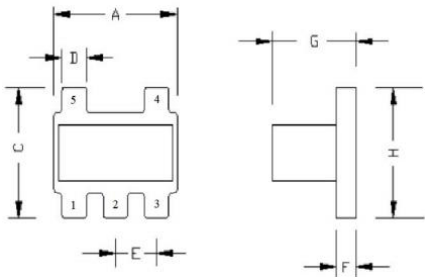
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
4.50	0.18	31.52	0.69	3.81
10.00	0.18	34.60	0.56	1.78
50.00	0.19	33.50	0.56	0.11
100.00	0.24	29.68	0.55	0.19
500.00	0.46	19.52	0.45	0.81
1000.00	0.68	16.22	0.14	1.59
1500.00	0.90	15.89	0.29	0.89
2000.00	1.11	16.97	0.71	1.28
2500.00	1.62	12.88	0.78	5.79
3000.00	3.02	6.79	0.49	12.32

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



Outline Dimensions (mm)

A	3.81	N	-
B	-	M	1.27
C	3.81	P	0.76
D	0.76	H	3.81
E	1.27	J	-
F	0.61	K	4.81
G	2.61	L	1.3
WT	0.05		

Pin Connections

PRIMARY	5
NC	2
PRIMARY DOT	4
SECONDARY	1
SECONDARY DOT	3

PCB Land Pattern

