Surface Mount

RF Transformer

 50Ω

3 to 300 MHz

Maximum Ratings

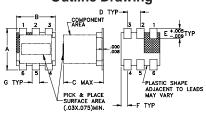
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

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

Pin Connections

PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
SECONDARY CT	2
NOT USED	5

Outline Drawing



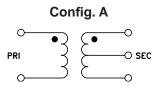
PCB Land Pattern



Suggested Layout,

Outline Dimensions (inch)

F	Е	D	С	В	Α
.025	.040	.050	.160	.150	.160
0.64	1.02	1.27	4.06	3.81	4.06
wt		K	J	Н	G
grams		.030	.190	.065	.028
0.15		0.76	4.83	1.65	0.71



Features

- excellent amplitude unbalance. 0.2 dB typ.
- excellent phase unbalance, 4 deg. typ. in 1 dB bandwidth
- plastic base with solder plated leads
- aqueous washable

Applications

- impedance matching
- balanced to unbalanced transformation
- push-pull amplifier

TCM2-1T+ TCM2-1T



CASE STYLE: DB714 PRICE: \$1.09 ea. QTY (100)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

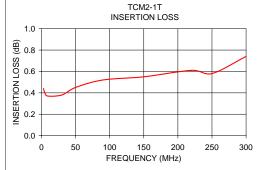
Transformer Electrical Specifications

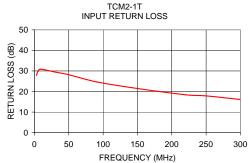
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*
		1 dB MHz
2	3-300	3-300

^{*} Insertion Loss is referenced to mid-band loss, 0.3 dB typ

Typical Performance Data

FREQUEI (MHz)		ON INPUT R. LOSS (dB)	
3.00	0.44	27.84	
5.00	0.40	29.78	
9.00	0.37	30.87	
30.00	0.38	29.47	
50.00	0.45	28.16	
90.00	0.52	24.71	
150.00	0.55	21.46	
220.00	0.61	18.39	
250.00	0.58	17.86	
300.00	0.74	16.10	





For detailed performance specs

