Surface Mount

RF Transformer

50Ω

2 to 280 MHz

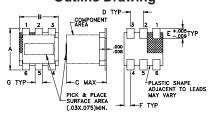
Maximum Ratings

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

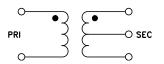


Suggested Layout,

Outline Dimensions (inch)

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

Config. A



Features

- excellent amplitude unbalance, 0.15 dB typ. and phase unbalance, 1 deg typ. in 1 dB bandwidth
- plastic base with solder plated leads
- aqueous washable

Applications

- impedance matching
- balanced to unbalanced transformation

TCM9-1+ TCM9-1



CASE STYLE: DB714 PRICE: \$1.19 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.

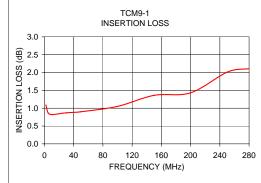
Transformer Electrical Specifications

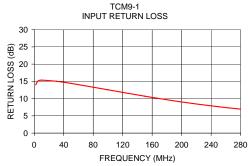
(Ω RATIO Secondary/Primary)	FREQUENCY (MHz)	3 dB MHz	INSERTION LOSS* 2 dB MHz	1 dB MHz
	9	2-280	2-280	3-150	5-100

^{*} Insertion Loss is referenced to mid-band loss, 0.9 dB typ

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	
2	1.09	13.99	
5	0.87	15.12	
10	0.82	15.35	
30	0.87	15.03	
50	0.90	14.41	
100	1.05	12.56	
150	1.36	10.70	
200	1.43	9.02	
250	2.01	7.65	
280	2.11	6.95	





Mini-Circuits

ISO 9001 ISO 14001 AS 9100 CERTIFIED

For detailed performance specs

