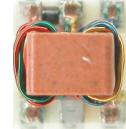


Surface Mount RF Transformer

50Ω 500 to 2500 MHz

TCM4-25+ TCM4-25



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.*

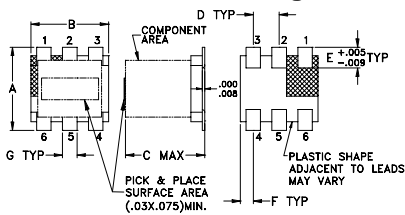
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

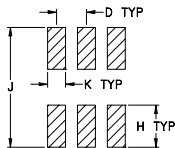
Pin Connections

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

Outline Drawing



PCB Land Pattern

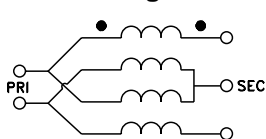


Suggested Layout,
Tolerance to be within ±.002

Outline Dimensions (inch/mm)

A	B	C	D	E	F	
.160	.150	.160	.050	.040	.025	
4.06	3.81	4.06	1.27	1.02	0.64	
G	H	J	K			wt
.028	.065	.190	.030			grams
0.71	1.65	4.83	0.76			0.15

Config. H



Features

- wide bandwidth, 500 to 2500 MHz
- balanced transmission line with secondary center tap
- good return loss
- plastic base with solder plated leads
- aqueous washable

Applications

- PCS
- cellular

Transformer Electrical Specifications

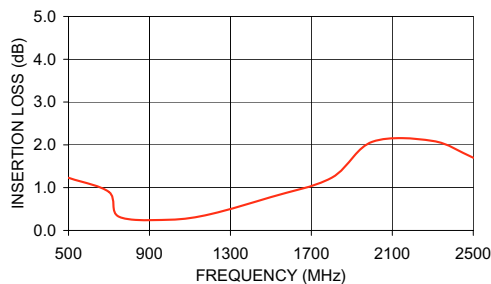
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
4	500-2500	500-2500	700-1500	750-1200

* Insertion Loss is referenced to mid-band loss, 0.2 dB typ.

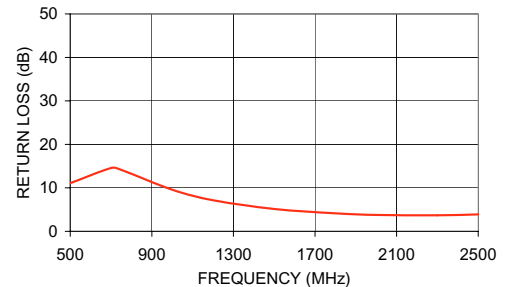
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
400.00	1.66	6.09
500.00	1.07	8.37
600.00	0.74	10.92
700.00	0.54	13.81
800.00	0.42	17.29
900.00	0.38	21.02
1000.00	0.37	22.67
1100.00	0.40	20.79
1200.00	0.43	18.40
1300.00	0.48	16.41
1400.00	0.53	14.94
1500.00	0.59	13.79
1600.00	0.64	12.90
1800.00	0.74	11.65
2000.00	0.84	10.75
2200.00	0.96	10.03
2400.00	1.08	9.35
2500.00	1.14	8.96
2800.00	1.38	7.82
3000.00	1.59	7.06

TCM4-25
INSERTION LOSS



TCM4-25
INPUT RETURN LOSS



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RF/IF MICROWAVE COMPONENTS

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