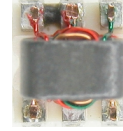


# Surface Mount RF Transformer

## TCM4-14+ TCM4-14

50Ω      200 to 1400 MHz



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.

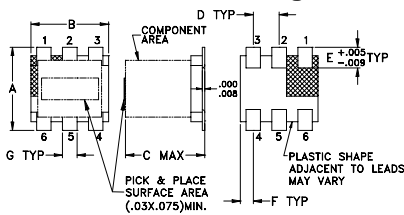
### Maximum Ratings

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

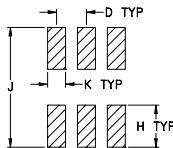
### Pin Connections

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)

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	

### Features

- wide bandwidth, 200 to 1400 MHz
- good return loss
- plastic base with solder plated leads
- aqueous washable

### Applications

- impedance matching

### Transformer Electrical Specifications

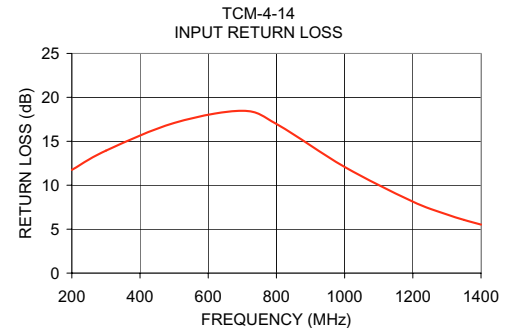
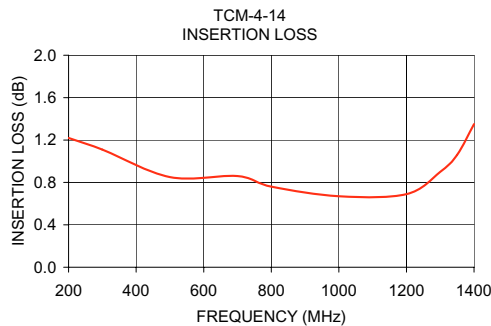
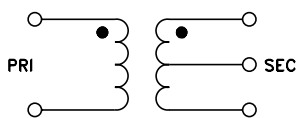
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
4	200-1400	200-1400	300-1300	800-1000

\* Insertion Loss is referenced to mid-band loss, 0.8 dB typ.

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
200.00	1.22	11.75
300.00	1.11	13.94
500.00	0.85	17.09
700.00	0.86	18.47
800.00	0.76	16.98
1000.00	0.67	12.08
1200.00	0.69	8.13
1300.00	0.90	6.67
1350.00	1.06	6.06
1400.00	1.35	5.52

### Config. A



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RF/IF MICROWAVE COMPONENTS

REV. D  
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TCM4-14  
ED-8234/1  
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080218