

# Surface Mount RF Transformer

50Ω

1.5 to 600 MHz

TCM4-6T+  
TCM4-6T



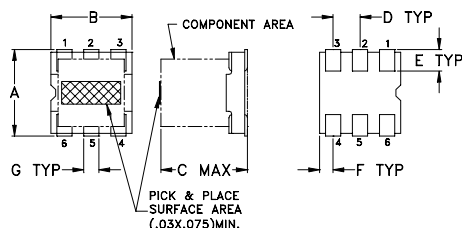
## Maximum Ratings

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

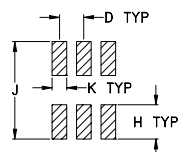
## Pin Connections

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

## Outline Drawing



## PCB Land Pattern

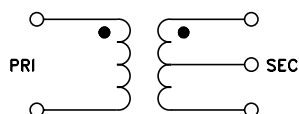


Suggested Layout,  
Tolerance to be within ±.002

## 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	

## Config. A



## Features

- wide bandwidth, 1.5 to 600 MHz
- good return loss
- plastic base with solder plated leads
- aqueous washable

## Applications

- CATV
- VHF/VHF/receivers/transmitters

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	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
4	1.5-600	1.5-600	2-400	3-350

\* Insertion Loss is referenced to mid-band loss, 0.6 dB typ.

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
1.00	0.99	18.04
2.00	0.79	21.15
3.00	0.69	23.26
50.00	0.65	34.11
150.00	0.79	29.54
200.00	0.83	26.00
300.00	0.95	20.67
350.00	0.90	17.75
400.00	1.10	16.06
600.00	1.84	9.91

TCM4-6T  
INSERTION LOSS

