

# Surface Mount RF Transformer

## TT1-6-KK81+ TT1-6-KK81

50Ω 0.004 to 300 MHz



### Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	55°C to 100°C
RF Power	250mW
DC Current	30mA

### Pin Connections

PRIMARY DOT	4
PRIMARY	6
PRIMARY CT	5
SECONDARY DOT	3
SECONDARY	1
SECONDARY CT	2

### Features

- wideband, 0.004 to 300 MHz
- good return loss
- also available with plug-in (X65) and flat-pack (W38) leads

### Applications

- HF/VHF
- impedance matching
- balanced antenna

CASE STYLE: KK81  
PRICE: \$6.95 ea. QTY (1-9)

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

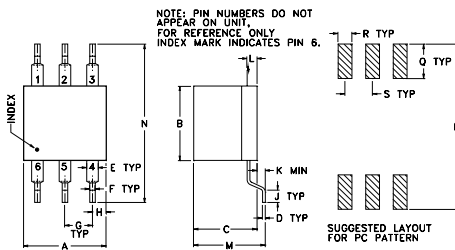
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

### Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	0.004-300	0.004-300	0.02-200	0.1-50

\* Insertion Loss is specified with input at pin 4 and output at pin 1 with pins 6 & 3 grounded and pins 2 & 5 open.

### Outline Drawing



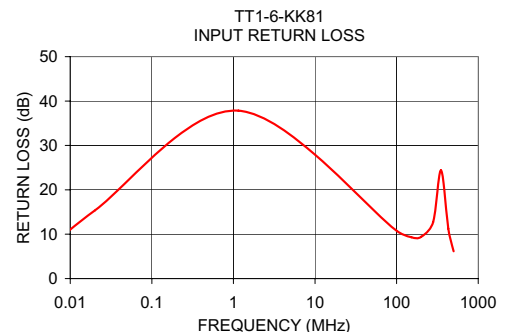
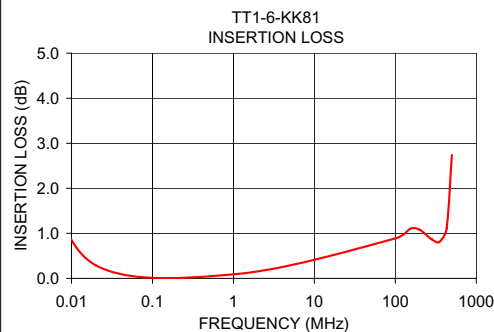
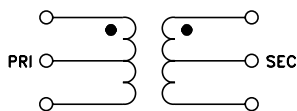
### Outline Dimensions (inch)

A	B	C	D	E	F	G	H	J
.30	.27	.23	.010	.042	.020	.100	.05	.05
7.62	6.86	5.84	0.25	1.07	0.51	2.54	1.27	1.27
K	L	M	N	P	Q	R	S	wt
.020	.036	.26	.575	.600	.125	.050	.100	grams
0.51	0.91	6.60	14.61	15.24	3.18	1.27	2.54	0.50

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.004	2.53	4.71
0.020	0.29	15.34
1.150	0.10	37.84
100.860	0.89	10.71
151.510	1.10	9.32
200.000	1.08	9.41
280.250	0.87	12.74
350.000	0.81	24.39
430.250	1.11	11.24
500.000	2.74	6.16

### Config. B



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RF/IF MICROWAVE COMPONENTS

REV. A  
M98898  
TT1-6-KK81  
IG/TD/CP  
070718