

# Surface Mount RF Transformer

50Ω 0.2 to 150 MHz

## T14-1-KK81+ T14-1-KK81



### 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	6
PRIMARY	3
SECONDARY DOT	1
SECONDARY	3
CASE EXT.	3
NOT USED	2,4,5

### Features

- wideband, 0.2 to 150 MHz
- good return loss
- also available with plug-in (X65) & flat-pack (W38) leads

### Applications

- impedance matching
- radio communication

CASE STYLE: KK81  
PRICE: \$4.95 ea. QTY (1-9)

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

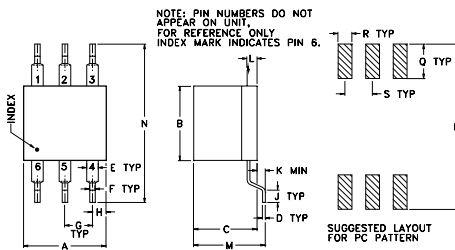
*The +Suffix identifies RoHS Compliance. See our web site  
for RoHS Compliance methodologies and qualifications.*

### Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
14	0.2-150	0.2-150	0.5-100	2-50

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

### Outline Drawing

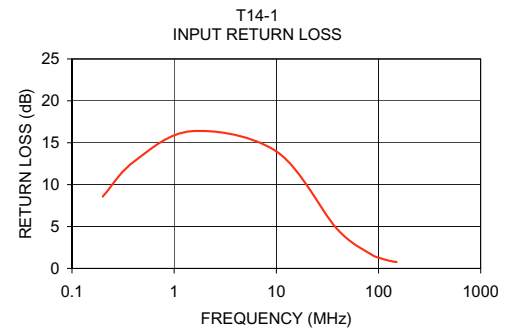
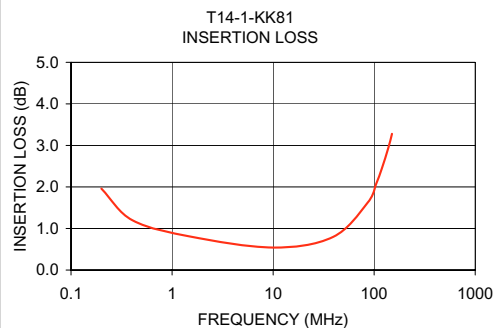
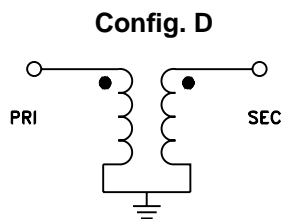


### Outline Dimensions (inch)

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)
0.20	1.96	8.58
0.41	1.20	12.75
1.48	0.81	16.38
10.09	0.54	13.93
39.40	0.80	4.69
86.71	1.63	1.60
104.96	2.08	1.21
118.91	2.44	1.01
138.49	2.95	0.83
150.00	3.28	0.76



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RF/IF MICROWAVE COMPONENTS

REV. A  
M98898  
T14-1-KK81  
IG/TD/CP  
070802