

# Surface Mount RF Transformer

50Ω

7 to 85 MHz

## T16-1H-KK81+ T16-1H-KK81



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

### Features

- good return loss
- also available with plug-in (X65) and flat-pack (W38) leads

### Applications

- HF/VHF
- impedance matching
- amateur radio

CASE STYLE: KK81

PRICE: \$6.45 ea. QTY (1-9)

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

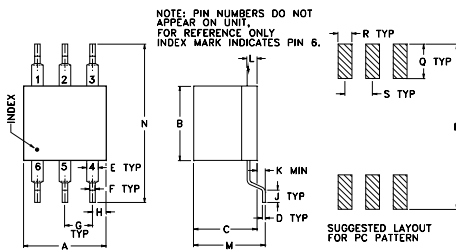
*The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.*

### Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
16	7-85	7-85	10-65	15-40

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

### Outline Drawing



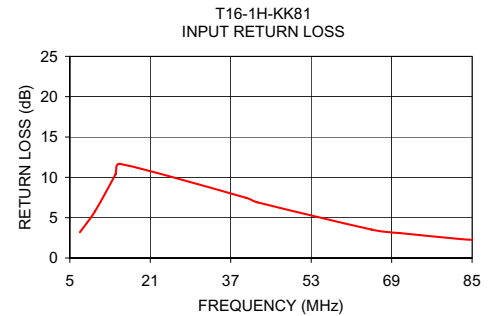
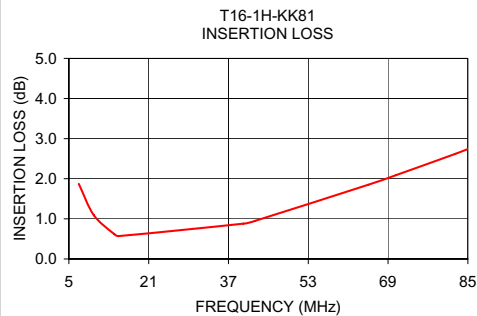
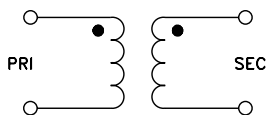
### Outline Dimensions (inch)

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)
7.00	1.87	3.19
10.00	1.09	5.78
14.11	0.62	10.41
15.00	0.57	11.67
40.00	0.88	7.47
42.33	0.95	6.90
65.00	1.85	3.53
70.62	2.09	3.09
82.51	2.62	2.36
85.00	2.74	2.25

### Config. C



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RF/IF MICROWAVE COMPONENTS

REV. A  
M98898  
T16-1H-KK81  
IG/TD/CP  
070802