

Surface Mount RF Transformer

50Ω

0.1 to 45 MHz

TT16-1-KK81+



Maximum Ratings

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

Permanent damage may occur if any of these limits are exceeded.

Pin Connections

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

Features

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

Applications

- HF
- radio communication
- impedance matching

CASE STYLE: KK81
PRICE: \$9.95 ea. QTY (1-9)

+RoHS Compliant

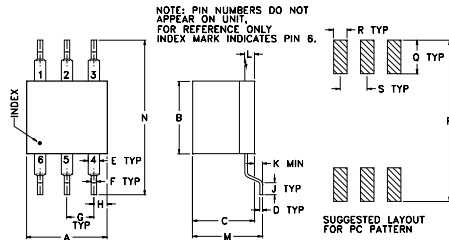
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
16	0.1-45	0.1-45	0.14-35	1-20

* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

Outline Drawing



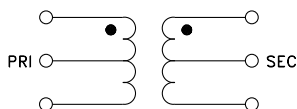
Outline Dimensions (inch)

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)
0.10	1.03	11.30
0.15	0.76	14.27
0.22	0.63	17.22
0.30	0.57	19.65
0.47	0.51	23.01
2.17	0.40	33.97
4.66	0.44	46.27
10.03	0.54	25.12
21.54	0.80	10.53
45.00	1.84	2.08

Config. B



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
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