

Surface Mount RF Transformer

50Ω

0.3 to 120 MHz

T16-1-KK81+ T16-1-KK81



Generic photo used for illustration purposes only

CASE STYLE: KK81

+RoHS Compliant

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



Available Tape and Reel
at no extra cost

Reel Size	Devices/Reel
13"	900

Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

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

Features

- wideband, 0.3 to 120 MHz
- excellent return loss
- also available with plug-in (X65) and flat-pack (W38) leads

Applications

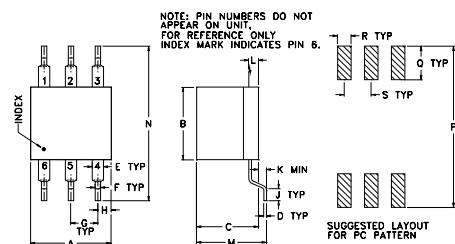
- HF/VHF
- impedance matching
- receivers/transmitters

Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
16	0.3-120	0.3-120	0.7-80	5-20

*Insertion Loss is referenced to mid-band loss, 0.8 dB typ.

Outline Drawing



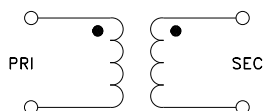
Outline Dimensions (inch)

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)
0.30	2.48	6.85
1.01	1.48	13.30
2.17	1.13	16.98
10.03	0.78	16.23
20.13	0.81	10.21
45.28	0.93	4.59
46.55	0.93	4.49
100.51	1.51	1.58
108.53	1.62	1.41
120.00	1.76	1.24

Config. C



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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