Surface Mount

RF Transformer

50Ω 0.050 to 600 MHz

T2-1-KK81+
T2-1-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	250mW
DC Current	30mA

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

Pin Connections

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

Features

- wideband, 0.05 to 600 MHz
- excellent return loss
- also available with plug-in (X65) & flat-pack (W38) leads

Applications

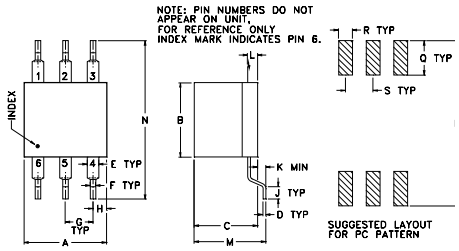
- impedance matching
- VHF/UHF

Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
2	0.050-600	0.050-600	0.1-400	0.5-200

* Insertion Loss is referenced to mid-band loss, 0.2 dB typ.

Outline Drawing



Outline Dimensions (inch / mm)

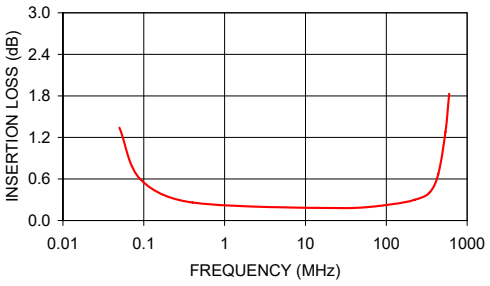
A	B	C	D	E	F	G	H	J
.30	.27	.23	.010	.042	.020	.100	.05	.05
7.62	6.86	5.84	0.25	1.07	0.51	2.54	1.27	1.27

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

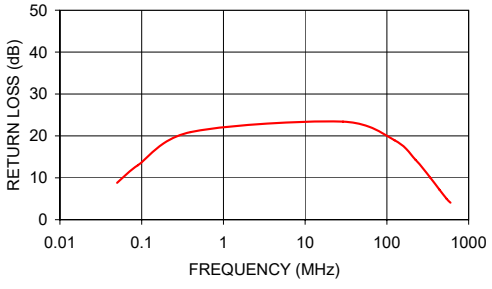
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.05	1.34	8.81
0.09	0.60	13.01
0.40	0.26	20.91
29.00	0.18	23.40
124.00	0.24	18.97
225.00	0.30	14.27
340.00	0.40	10.01
440.00	0.67	7.14
540.00	1.28	4.96
600.00	1.83	4.07

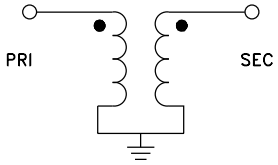
T2-1-KK81
INSERTION LOSS



T2-1-KK81
INPUT RETURN LOSS



Config. D



Notes

A. 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.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp