# Surface Mount **RF Transformer**

**50**Ω

# 0.02 to 250 MHz

### **Maximum Ratings**

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent demage may ecour if any	of those limits are exceeded

#### **Pin Connections**

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

### **Features**

- wideband, 0.02 to 250 MHz
- excellent return loss
- also available with flat-pack (W38), plug-in (X65) leads

#### **Applications**

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- impedance matching
- push-pull amplifier

# T4-6T-KK81+ **T4-6T-KK81**



CASE STYLE: KK81 PRICE: \$5.65 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.

0.1-100

0.05-150

Transformer Electrical Specifications							
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)		INSERTION LOSS*				
		3 dB	2 dB	1 dB MHz			

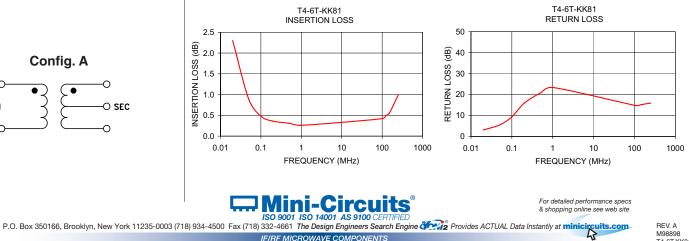
0.02-250

\*Insertion Loss is referenced to mid-band loss, 0.25 dB typ.

0.02-250

# **Typical Performance Data**

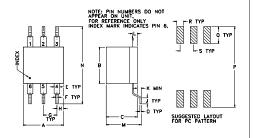
FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	
0.02	2.30	3.08	
0.05	0.89	5.47	
0.10	0.48	9.35	
0.20	0.36	15.86	
0.50	0.31	20.74	
1.00	0.26	23.39	
100.00	0.42	14.83	
125.01	0.50	14.73	
150.00	0.55	15.23	
250.00	0.99	15.91	



REV. A M98898 T4-6T-KK81 IG/TD/CP 070625

IF/RF MICROWAVE COMPONENTS Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established tests performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuit's and terms and conditions (collective), "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 performance data www.minicircuits.com/MCLStore/terms.jsp.

## **Outline Drawing**



	Outline Dimensions (inch )							
J	H	G	F	E	D	C	B	A
.05	.05	.100	.020	.042	.010	.23	.27	.30
1.27	1.27	2.54	0.51	1.07	0.25	5.84	6.86	7.62
wt	<b>S</b>	R	<b>Q</b>	P	N	M	L	K
grams	. <b>100</b>	.050	. <b>125</b>	.600	.575	.26	.036	.020
0.50	2.54	1.27	3.18	15.24	14.61	6.60	0.91	0.51

