Surface Mount **RF Transformer**

50O

H

A 30.

к

7.62

.020

В

L М

.036

0.91

.27

6.86 5.84

TYF

С

.23 .010

.26 .575

6.60 14.61

PRI C

D

Ν

0.25

0.004 to 300 MHz

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 ecour 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

Outline Drawing

Outline Dimensions (inch)

Е

.020

Q

.125

3.18

.042

1.07 0.51

Р

.600

Config. B

15.24

NUMBERS DO NOT NOTE: PIN NUMBERS DO NOT APPEAR ON UNIT, FOR REFERENCE ONLY INDEX MARK INDICATES PIN 6.

TYP

R TYP O TYP

SUGGESTED LAYOUT

G Н

.05

s

.100 grams

.05

wt

1.27

0.50

.100

2.54 1.27

R

-O SEC

C

.050

1.27 2.54

S TYP

Features

- wideband, 0.004 to 300 MHz
- good return loss
- also available with plug-in (X65) and flat-pack (W38) leads

Applications

- HF/VHF
- impedance matching
- balanced antenna





CASE STYLE: KK81

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

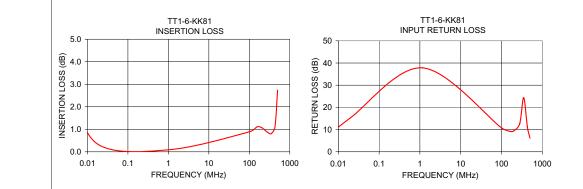
Transformer Electrical Specifications

	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	0.004-300	0.004-300	0.02-200	0.1-50

* Insertion Loss is specified with input at pin 4 and output at pin 1 with pins 6 & 3 grounded and pins 2 & 5 open.

Typical Performance Data

71			
FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	
0.004	2.53	4.71	
0.020	0.29	15.34	
1.150	0.10	37.84	
100.860	0.89	10.71	
151.510	1.10	9.32	
200.000	1.08	9.41	
280.250	0.87	12.74	
350.000	0.81	24.39	
430.250	1.11	11.24	
500.000	2.74	6.16	



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-Circuit's website at www.minicircuits.com/WCLStore/terms.jsp



,,,,)Mini-Circuits

www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com