

Surface Mount RF Transformer

50Ω 0.3 to 300 MHz

T5-1T-KK81+ T5-1T-KK81



CASE STYLE: KK81

+RoHS Compliant

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

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	2
NOT USED	5

Features

- wideband, 0.3 to 300 MHz
- good return loss
- also available with flat-pack (W38), plug-in (X65) leads

Applications

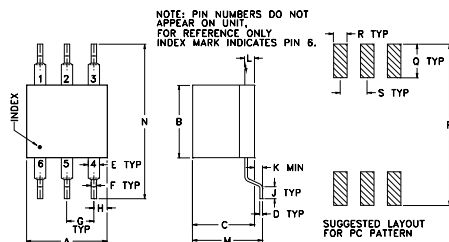
- impedance matching
- push-pull amplifiers

Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
5	0.3-300	0.3-300	0.6-200	5-100

*Insertion Loss is referenced to mid-band loss, 0.7 dB typ.

Outline Drawing



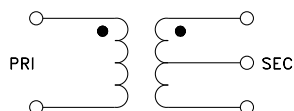
Outline Dimensions (inch)

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	1.91	6.84
0.70	1.21	12.33
3.00	0.79	16.14
28.00	0.76	16.70
73.00	0.87	17.90
120.00	0.96	18.95
170.00	1.05	19.50
220.00	1.15	18.75
270.00	1.28	16.62
300.00	1.33	15.08

Config. A



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-Circuit's applicable established test performance criteria and measurement instructions.
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