

# Surface Mount RF Transformer

50Ω 10 to 250 MHz

# T4-1-2W-KK81+ T4-1-2W-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	2W
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, 10 to 250 MHz
- good return loss
- also available with plug-in (X65) and flat-pack (W38) leads

## Applications

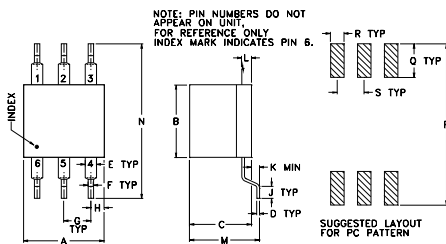
- HF/VHF
- receivers/transmitters
- impedance matching

## Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
4	10-250	—	—	10-250

\*Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

## Outline Drawing



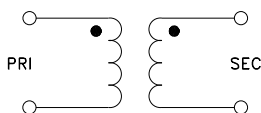
## Outline Dimensions (inch)

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)
10.00	0.27	25.21
46.00	0.26	29.62
82.00	0.27	27.41
110.00	0.28	24.75
131.00	0.30	22.67
148.00	0.31	21.04
168.00	0.32	19.23
194.00	0.33	17.07
229.00	0.37	14.47
250.00	0.42	13.08

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