

Surface Mount RF Transformer

50Ω

8 to 300 MHz

T1-1H+
T1-1H



CASE STYLE: W38
PRICE: \$5.95 ea. QTY (1-9)

+RoHS Compliant

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

Maximum Ratings

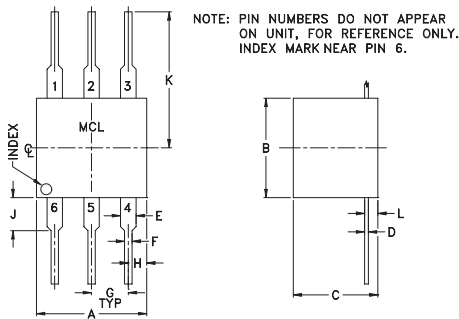
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

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	—
NOT USED	2,5

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
.30	.27	.23	.010	.042	.020
7.62	6.86	5.84	0.25	1.07	0.51
G	H	J	K	L	wt
.100	.05	.09	.31	.036	grams
2.54	1.27	2.29	7.87	0.91	0.50

Features

- wideband, 8 to 300 MHz
- good return loss
- also available with plug-in (X65) surface mount gull wing (KK81) leads

Applications

- VHF/UHF
- receivers/transmitters
- impedance matching

Transformer Electrical Specifications

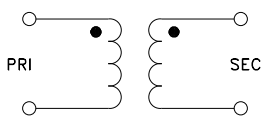
Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	8-300	8-300	10-200	25-100

* Insertion Loss is referenced to mid-band loss, 0.9 dB typ.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
8.00	2.89	3.88
20.41	1.19	9.28
44.50	0.85	13.20
81.00	0.91	14.00
105.09	1.01	13.59
154.00	1.18	12.25
190.50	1.42	11.04
214.59	1.48	10.32
263.50	1.65	8.87
300.00	2.02	7.84

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.
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