

Plug-In RF Transformer

50Ω 10 to 250 MHz

T4-1-2W-X65+ T4-1-2W-X65



CASE STYLE: X65

+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	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 flat-pack (W38) & surface mount gull-wing (KK81) leads

Applications

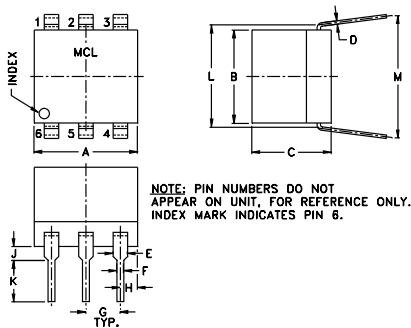
- HF/VHF
- receivers/transmitters
- impedance matching

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)

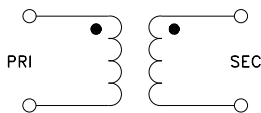
A	B	C	D	E	F	G
.30	.27	.23	.010	.042	.020	.100
7.62	6.86	5.84	0.25	1.07	0.51	2.54

H	J	K	L	M	wt
.05	.04	.11	.300	.35	grams
1.27	1.02	2.79	7.62	8.89	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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