

Surface Mount

RF Transformer RTS-1-1-1 (= T1-1-....)



CASE STYLE: TT240

Maximum Ratings

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

Pin Connections

PRIMARY DOT	4
PRIMARY	6
SECONDARY DOT	3
SECONDARY	1
NOTUSED	2,5

Features

- wideband, 0.15 to 400 MHz
- good return loss
- also available with plug-in (X65) and flat pack (W38) leads

Applications

- VHF/UHF
- receivers/transmitters

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

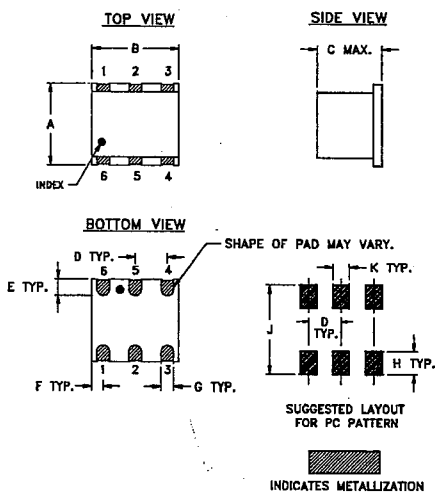
See our web site for RoHS Compliance methodologies and qualifications.

Transformer Electrical Specifications

MODEL NO.	Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
			3 dB MHz	2 dB MHz	1 dB MHz
T1-1-KK81(+)	1	.15-400	.15-400	.35-200	2-50

* Insertion Loss is referenced to mid-band loss, .6 dB typ.

Outline Drawing



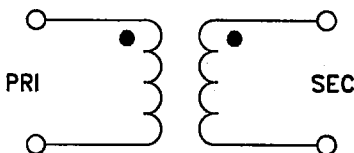
Outline Dimensions (inch/mm)

A	B	C	D	E	F
.250	.31	.20	.100	.050	.055
6.35	7.87	5.08	2.54	1.27	1.40
G	H	J	K	wt	
.040	.070	.270	.050	grams	
1.02	1.78	6.86	1.27	0.50	

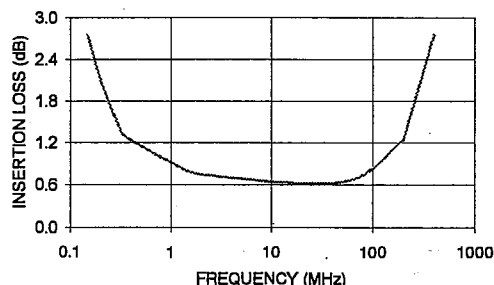
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.15	2.75	1.98
0.20	2.10	3.10
0.30	1.44	9.92
0.35	1.29	11.10
1.00	0.92	16.82
2.00	0.75	19.24
50.00	0.64	20.08
191.32	1.23	10.15
200.00	1.26	9.90
400.00	2.75	4.79

Config. C



T1-1-KK81
INSERTION LOSS



INTERNET: <http://www.microcircuits.com>

Distributors: Solid State Power Electronics, 7843-33843355-5885 417-688-79855, ESI, SOREL, FORTE, 43325006282014-1252-83202837010

Microcircuits ISO 9001 & ISO 14001 Certified



REV. A
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