

Surface Mount RF Transformer

75Ω 30 to 1100 MHz

TT240

TT240



CASE STYLE: TT240

PRICE: \$2.95 ea. QTY (25-49)

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

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

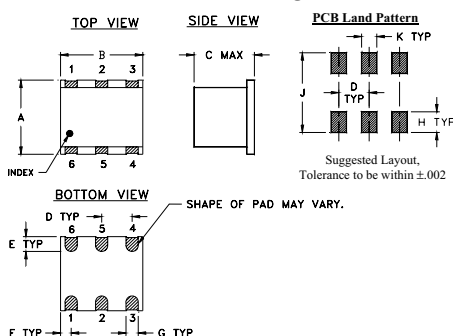
Mechanical Dimensions

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

PCB Land Pattern

PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	3
SECONDARY	1
SECONDARY CT	2
NOT USED	5

PCB Land Pattern



Features

- leadless surface mount
- excellent return loss, 25 dB in 1 bandwidth
- excellent amplitude balance, 0.4 dB typ. and phase unbalance, 3 deg typ.
- R class transformer

Applications

- balanced amplifiers
- VHF/UHF

"R class of TX version"

Transformer Ratio, Frequency, Insertion Loss, Phase Unbalance, Amplitude Unbalance

RATIO	FREQUENCY (MHz)	INSERTION LOSS			PHASE UNBALANCE (Deg.)		AMPLITUDE UNBALANCE (dB)	
		dB MHz	dB MHz	dB MHz	dB	dB	dB	dB
2	30-1100	—	30-1100	100-800	3	—	0.4	—

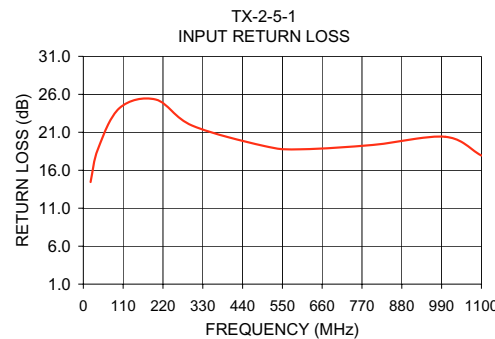
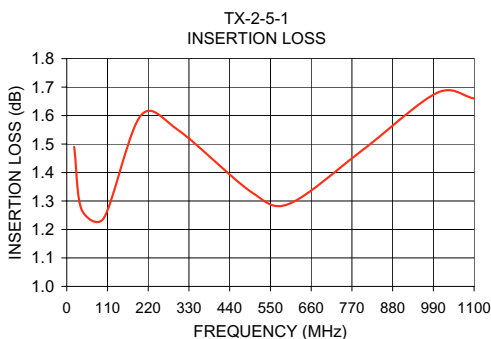
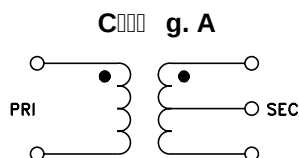
* Insertion Loss is referenced to mid-band loss, 1.3 dB typ.
** impedance ratio=secondary (150 ohms)/primary (75 ohms)
*** deviation from 180°C

Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
20.00	1.49	14.44	0.06	0.46
40.00	1.27	18.74	0.05	0.57
100.00	1.24	24.19	0.09	1.01
200.00	1.60	25.31	0.07	3.30
300.00	1.55	21.89	0.06	3.49
500.00	1.33	19.19	0.03	2.60
600.00	1.29	18.76	0.01	1.79
800.00	1.48	19.33	0.01	0.55
1000.00	1.68	20.40	0.24	3.66
1100.00	1.66	17.94	0.46	5.47

Weight

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	



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