Engineering Development Model

RF Transformer RTX1-ED13602/1

Impedance Ratio : 1

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability.
At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.

Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : 99-01-1396

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		**Min.**	**Typ.**	**Max.**	**Units**
Frequency		10		1800	MHz
Insertion Loss *	**2 dB Bandwidth**		10-1800		MHz
	1 dB Bandwidth		50-1000		MHz

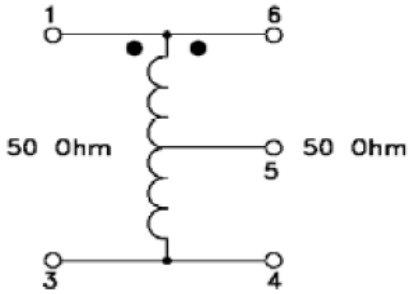
Note: * Insertion Loss is referenced to mid-band loss, .19 dB typ.

This is a balance to balance transformer

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
RF Power	250 mW
DC Current	30 mA

PIN CONNECTIONS	
PRIMARY DOT	1
PRIMARY	3
SECONDARY DOT	6
SECONDARY	4
CENTER TAP	5
NOT USED	2

Configuration D



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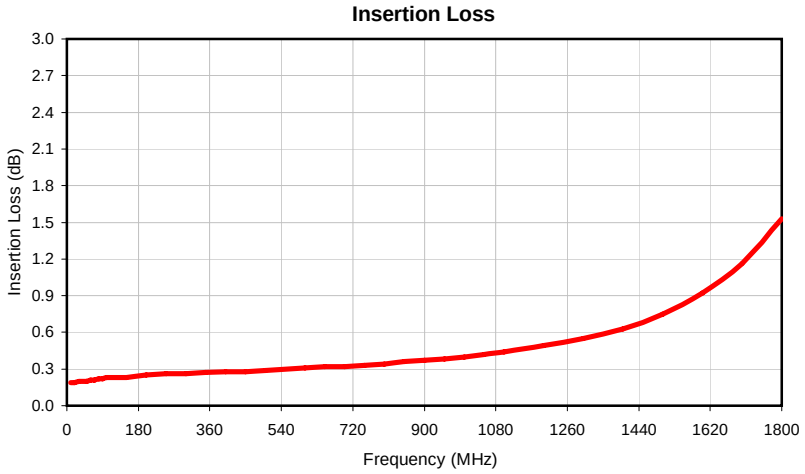
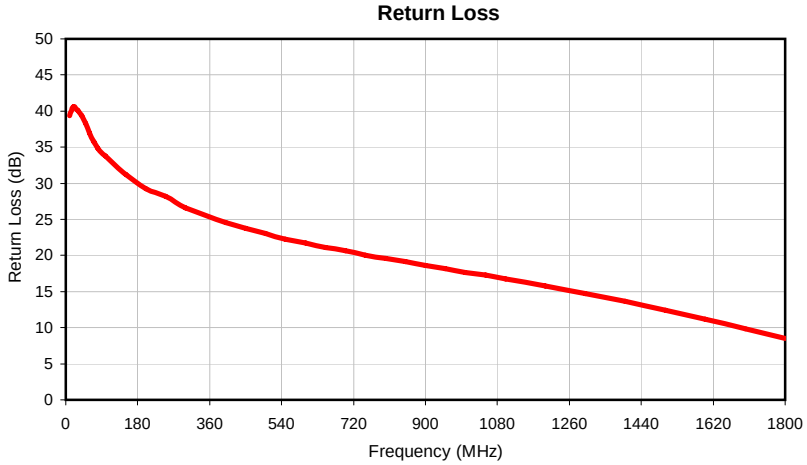
Typical Performance Data

FREQUENCY MHz	INSERTION LOSS (dB)	RETURN LOSS (dB)
10.00	0.19	39.40
20.00	0.19	40.57
30.00	0.20	40.10
40.00	0.20	39.38
50.00	0.20	38.27
60.00	0.21	37.00
70.00	0.21	35.77
80.00	0.22	34.81
90.00	0.22	34.20
100.00	0.23	33.80
150.00	0.23	31.22
200.00	0.25	29.27
250.00	0.26	28.20
300.00	0.26	26.56
350.00	0.27	25.56
400.00	0.28	24.52
450.00	0.28	23.76
500.00	0.29	23.05
550.00	0.30	22.26
600.00	0.31	21.71
650.00	0.32	21.12
700.00	0.32	20.67
750.00	0.33	20.05
800.00	0.34	19.56
850.00	0.36	19.11
900.00	0.37	18.59
950.00	0.38	18.21
1000.00	0.40	17.64
1050.00	0.42	17.25
1100.00	0.44	16.72
1200.00	0.49	15.74
1300.00	0.55	14.70
1400.00	0.63	13.62
1500.00	0.75	12.43
1600.00	0.92	11.20
1700.00	1.16	9.88
1800.00	1.53	8.51

Typical Performance Data