March 27, 2006

DATATRONIC
DISTRIBUTION, INC.

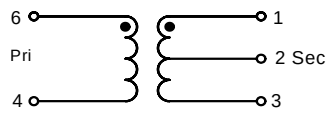
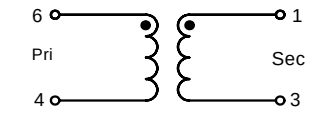
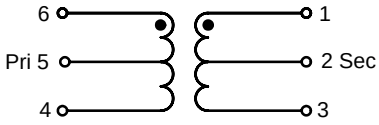
RoHS Compliant

Wideband RF Transformers

Features

- **Designed for use in wideband RF applications**
- **Frequency range 10kHz to 500MHz**
- **Low insertion loss**
- **Impedance levels from 12.5 Ohms to 800 Ohms (nominal 50 Ohms)**
- **6 pin DIP and SMT packages**

ELECTRICAL SPECIFICATIONS AT 25ºC

Part Number			Ratio	Frequency	Insertion Loss			Schematic
Type D	Type W	Type J	Impedance	MHz	3dB MHz	2dB MHz	1dB MHz	
2-1-1D	2-1-1W	2-1-1J	1	.050-200	.050-200	.080-150	.20-80	
2-1-6D	2-1-6W	2-1-6J	1	.003-300	.003-300	.010-150	.02-50	
2-2-1D	2-2-1W	2-2-1J	2	.070-200	.070-200	.100-100	.50-50	
2-2.5-6D	2-2.5-6W	2-2.5-6J	2.5	.010-100	.010-100	.020-50	.05-20	
2-3-1D	2-3-1W	2-3-1J	3	.050-250	.050-250	.100-200	.50-70	
2-4-1D	2-4-1W	2-4-1J	4	.200-350	.200-350	.350-300	2-100	
2-4-6D	2-4-6W	2-4-6J	4	.020-250	.020-250	.050-150	.10-100	
2-5-1D	2-5-1W	2-5-1J	5	.300-300	.300-300	.600-200	.50-100	
2-8-1D	2-8-1W	2-8-1J	8	.030-140	.030-140	.100-90	1-60	
2-13-1D	2-13-1W	2-13-1J	13	.300-120	.300-120	.700-80	5-20	
2-16-6D	2-16-6W	2-16-6J	16	.030-75	.030-75	.060-30	10-20	
3-1-1D	3-1-1W	3-1-1J	1	.150-400	.150-400	.350-200	2-50	
3-1-6D	3-1-6W	3-1-6J	1	.010-150	.010-150	.020-100	.05-50	
3-1.5-1D	3-1.5-1W	3-1.5-1J	1.5	.100-300	.100-300	.200-150	.50-80	
3-1.5-6D	3-1.5-6W	3-1.5-6J	1.5	.020-100	.020-100	.050-50	.10-25	
3-2.5-6D	3-2.5-6W	3-2.5-6J	2.5	.010-100	.010-100	.020-50	.05-20	
3-4-6D	3-4-6W	3-4-6J	4	.020-200	.020-200	.050-150	.10-100	
3-9-1D	3-9-1W	3-9-1J	9	.150-200	.150-200	.300-150	2-40	
3-16-1D	3-16-1W	3-16-1J	16	.300-120	.300-120	.700-80	.50-20	
3-36-1D	3-36-1W	3-36-1J	36	.030-20	.030-20	.050-10	.10-5	
4-1-6D	4-1-6W	4-1-6J	1	.004-500	.004-500	.020-200	.10-50	
4-1.5-1D	4-1.5-1W	4-1.5-1J	1.5	.075-500	.075-500	.200-100	.10-50	
4-2.5-6D	4-2.5-6W	4-2.5-6J	2.5	.010-50	.010-50	.025-25	.05-10	
4-4-1D	4-4-1W	4-4-1J	4	.050-200	.050-200	.200-50	1-30	
4-25-1D	4-25-1W	4-25-1J	25	.020-30	.020-30	.050-20	.10-10	

Notes:

1. Other values of impedance are available, consult factory for details.
2. For non-RoHS part consult factory for special part numbers.

DATATRONIC: 28151 Highway 74, Romoland, CA 92585 Tel: 951-928-7700 Toll Free Tel: 888-889-5391 Fax: 951-928-7701
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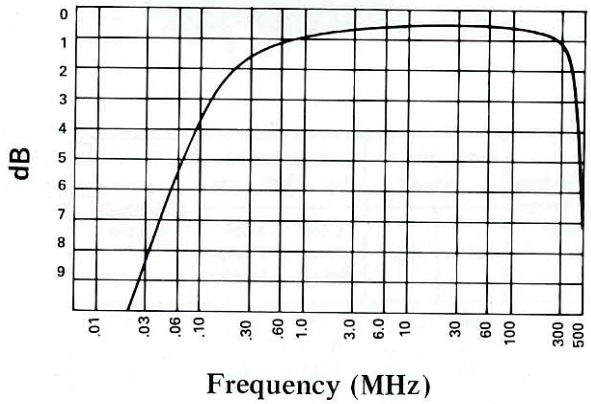
499 King's Road, Hong Kong Tel: (852) 2562 3858, (852) 2564 8477 Fax: (852) 2565 7214, (852) 2563 1290
All specifications are subject to change without notice.

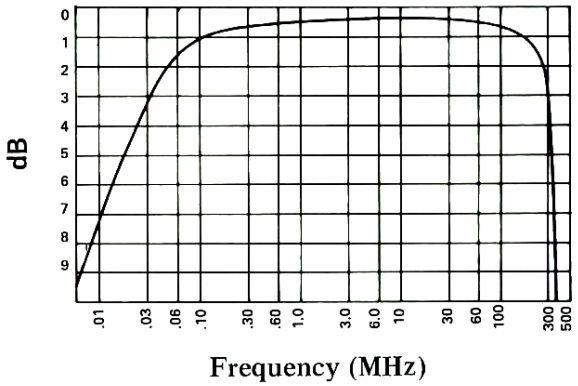
Typical Frequency Response

2–4–1 3dB Bandwidth 0.200–350MHz



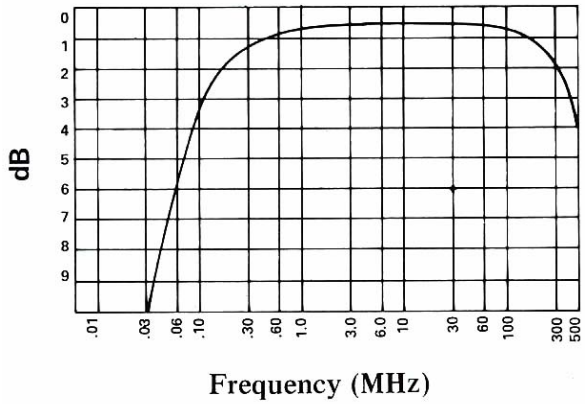
Typical Frequency Response

2–3–1 3dB Bandwidth 0.050–250MHz

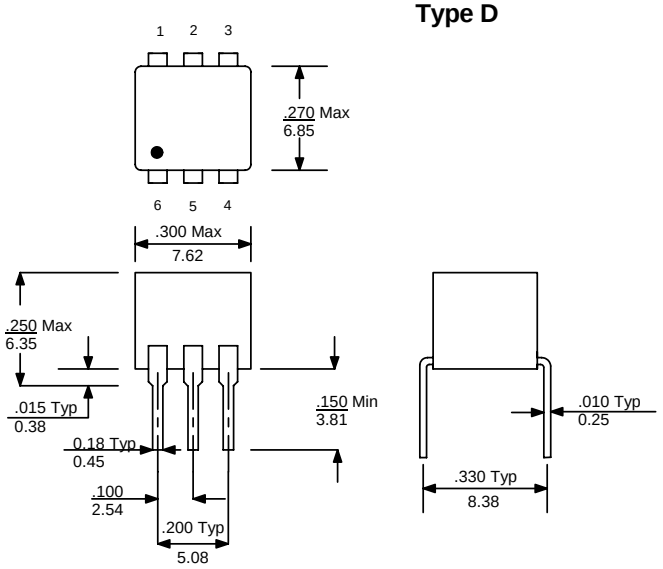


Typical Frequency Response

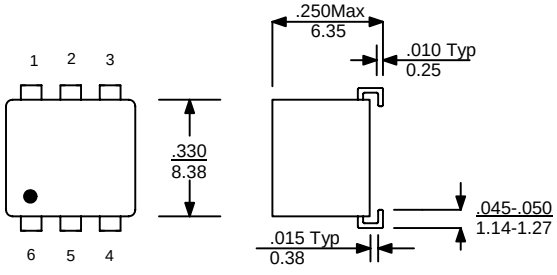
3–1–1 3dB Bandwidth 0.150–400MHz



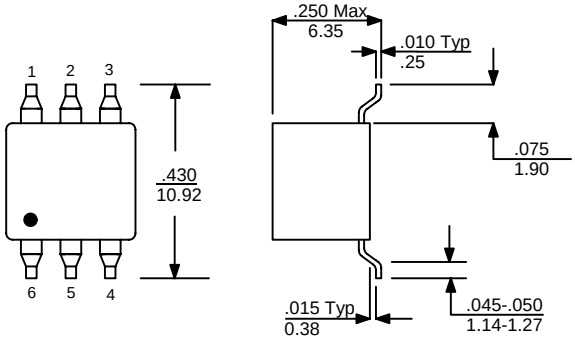
Outline Dimensions
Type D



Type J



Type W



INCHES .XXX ± .010
MILLIMETERS .XX ± .25

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