

## Features

- Fully encapsulated
- Low profile
- Low insertion loss
- Frequency range 10 kHz to 500 MHz
- Impedance levels from 12.5  $\Omega$  to 800  $\Omega$  (nominal 50  $\Omega$ )
- 6 pin DIP and SMD
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant\*

## RF2, RF3, RF4 Series - Wideband Transformers

### Electrical Specifications @ 25°C

Type D	Part Number Type W	Type J	Ratio Impedance	Frequency MHz	Insertion Loss			Schematic
					3dB MHz	2dB MHz	1dB MHz	
2-1-1D	2-1-1W	2-1-1J	1	.050-200	.050-200	.080-150	.20-80	<p><b>RF2 Series</b></p>
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	5-100	
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	<p><b>RF4 Series</b></p>
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	

#### Note:

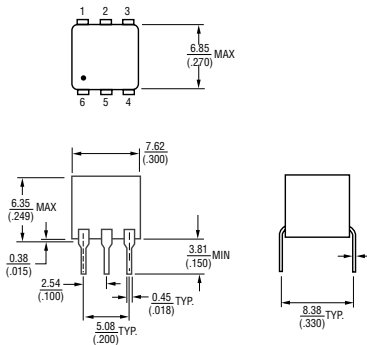
RF2 and RF3 are standard units. RF4 only on request.

# RF2, RF3, RF4 Series - Wideband Transformers

**BOURNS®**

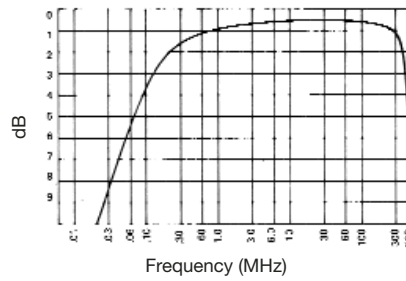
## Product Dimensions

### Type D



## Typical Frequency Response

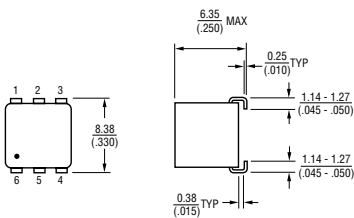
2-4-1 3 dB Bandwidth 0.200-350 MHz



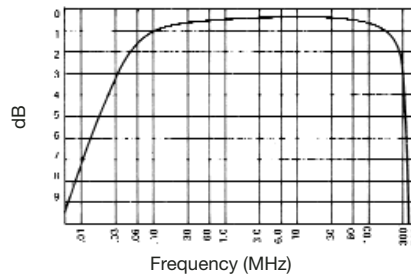
## How to Order

Model \_\_\_\_\_ X-X-XX  
 Termination \_\_\_\_\_  
 Blank = Tin-lead  
 L = Tin only (lead free)

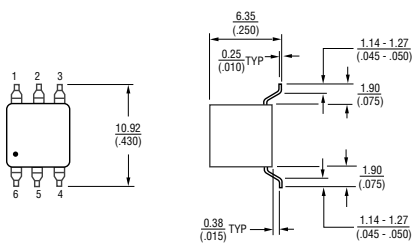
### Type J



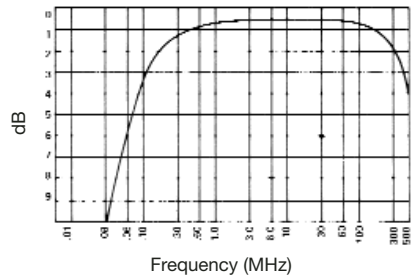
2-3-1 3 dB Bandwidth 0.050-250 MHz



### Type W



3-1-1 3 dB Bandwidth 0.150-400 MHz



DIMENSIONS ARE:  $\frac{\text{MM}}{\text{(INCHES)}}$