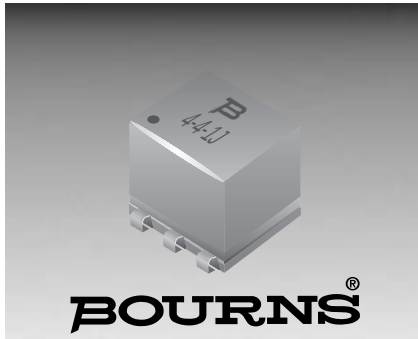




#### Features

- 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

## RF2, RF3, RF4 Series - Wideband Transformers

#### Electrical Specifications @ 25°C

| Part Number |          |          | Ratio     | Frequency | Insertion Loss |          |         | Schematic                 |
|-------------|----------|----------|-----------|-----------|----------------|----------|---------|---------------------------|
| Type D      | Type W   | Type J   |           |           | 3dB            | 2dB      | 1dB     |                           |
|             |          |          | Impedance | MHz       | MHz            | MHz      | MHz     |                           |
| 2-1-1D      | 2-1-1W   | 2-1-1J   | 1         | .050-200  | .050-200       | .080-150 | .20-80  | <b>RF2 Series</b><br><br> |
| 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   | <b>RF3 Series</b><br><br> |
| 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  | <b>RF4 Series</b><br><br> |
| 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:

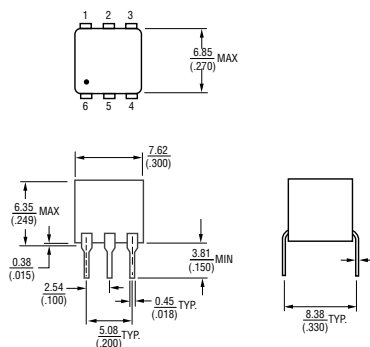
RF2 and RF3 are standard units. RF4 only on request.

# RF2, RF3, RF4 Series - Wideband Transformers

**BOURNS®**

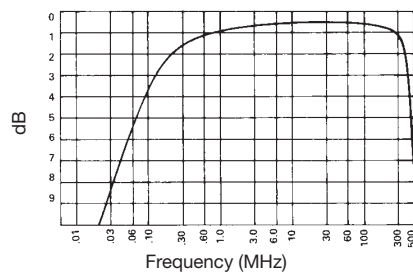
## Product Dimensions

### Type D

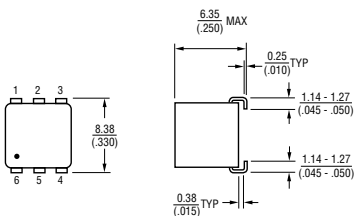


## Typical Frequency Response

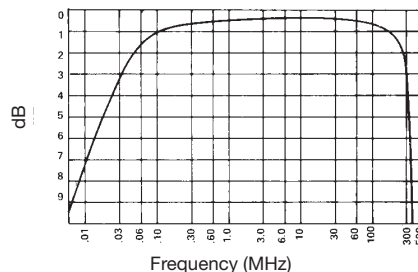
2-4-1 3 dB Bandwidth 0.200-350 MHz



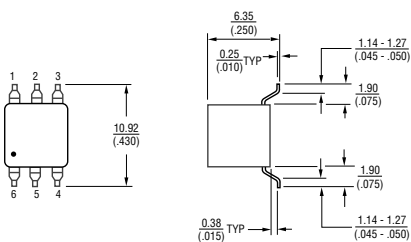
### Type J



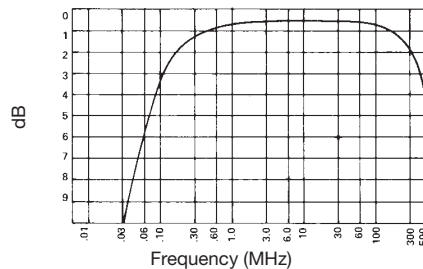
2-3-1 3 dB Bandwidth 0.050-250 MHz



### Type W



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



DIMENSIONS ARE: METRIC  
(INCHES)