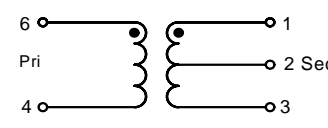
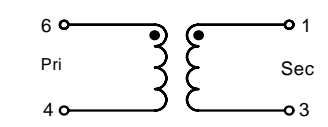
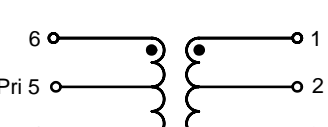


## Wideband RF Transformers

### 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 25°C

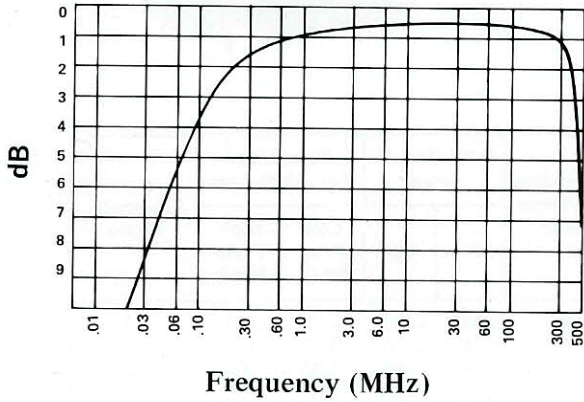
| Part Number  |  |  | Ratio<br>Impedance                                      | Frequency<br>MHz  | Insertion Loss  |  |  | Schematic   |   |   |
|--|--|--|---|---|---|--|--|---|---|---|
| Type D   | Type W   | Type J   |   |   | 3dB<br>MHz  | 2dB<br>MHz   | 1dB<br>MHz   |   |   |   |
| 2-1-1D<br>2-1-6D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

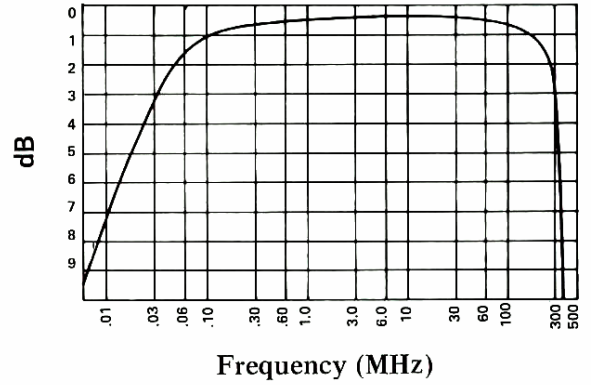
Typical Frequency Response

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



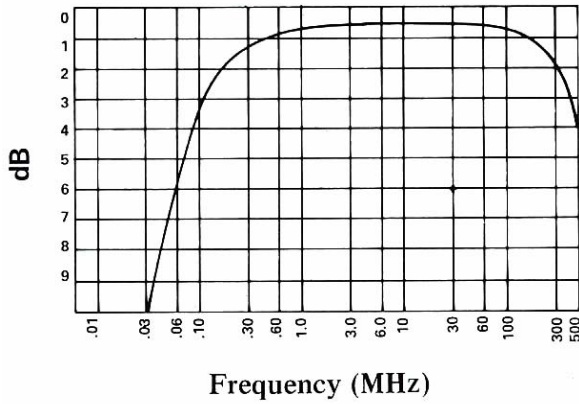
Typical Frequency Response

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

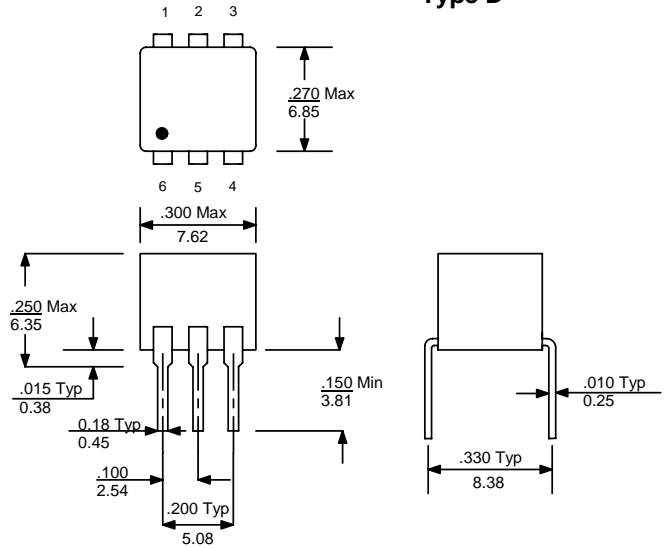


Typical Frequency Response

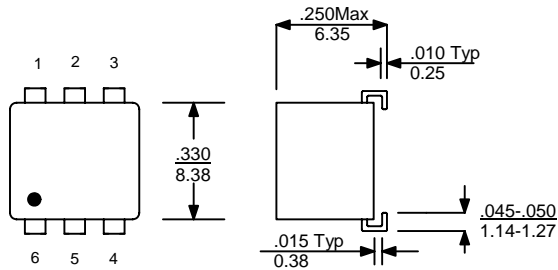
3-1-1 3dB Bandwidth 0.150-400MHz



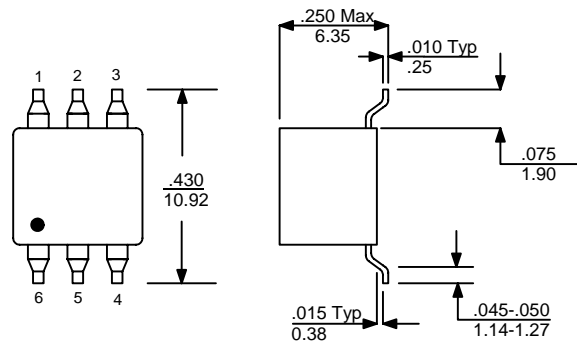
Outline Dimensions  
Type D



Type J



Type W



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