

## Engineering Development Model

# RF Transformer

# ADT4-ED13192/1

Impedance Ratio: 4:1:1

### 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.



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CASE STYLE : CD636

| ELECTRICAL SPECIFICATIONS 75Ω @ +25°C |                     |      |        |      |       |
|---------------------------------------|---------------------|------|--------|------|-------|
| Parameter                             |                     | Min. | Typ.   | Max. | Units |
| Frequency                             |                     | .3   |        | 260  | MHz   |
| Insertion Loss *                      | 3 dB Bandwidth      |      | .3-260 |      | MHz   |
|                                       | 2 dB Bandwidth      |      | .3-140 |      | MHz   |
|                                       | 1 dB Bandwidth      |      | 1-60   |      | MHz   |
| Amplitude Unbalance                   | Over 3 dB Bandwidth |      | 0.07   |      | dB    |
|                                       | Over 2 dB Bandwidth |      | 0.04   |      | dB    |
|                                       | Over 1 dB Bandwidth |      | 0.03   |      | dB    |
| Phase Unbalance                       | Over 3 dB Bandwidth |      | 1.28   |      | Deg.  |
|                                       | Over 2 dB Bandwidth |      | 0.65   |      | Deg.  |
|                                       | Over 1 dB Bandwidth |      | 0.38   |      | Deg.  |

Note:

\* Insertion Loss is referenced to mid-band loss, 0.32 dB typ. Data was taken between X-Y and X-Z windings with other winding not terminated.

| MAXIMUM RATINGS       |                |
|-----------------------|----------------|
| Operating Temperature | -20°C to 85°C  |
| Storage Temperature   | -55°C to 100°C |

| PIN CONNECTIONS |   |
|-----------------|---|
| X DOT           | 6 |
| X               | 1 |
| Y DOT           | 2 |
| Y               | 5 |
| Z DOT           | 3 |
| Z               | 4 |

Config. F

