

## Engineering Development Model

# RF Transformer

# ADT1-ED7823/1

Impedance Ratio : 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.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : CD637

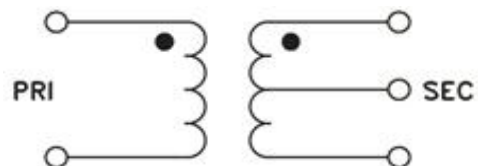
| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C |                    |      |            |            |
|---------------------------------------|--------------------|------|------------|------------|
| Parameter                             |                    | Min. | Typ.       | Max. Units |
| Frequency                             |                    | 0.01 |            | 150 MHz    |
| Insertion Loss *                      | 3 dB Bandwidth     |      | 0.01 - 150 | MHz        |
|                                       | 2 dB Bandwidth     |      | 0.01 - 75  | MHz        |
|                                       | 1 dB Bandwidth     |      | 0.02 - 50  | MHz        |
| Amplitude Unbalance                   | over 3dB Bandwidth |      | 0.5        | dB         |
|                                       | over 1dB Bandwidth |      | 0.1        | dB         |
| Phase Unbalance                       | over 3dB Bandwidth |      | 5.0        | deg.       |
|                                       | over 1dB Bandwidth |      | 1.00       | deg.       |

### Note:

\* Insertion Loss is referenced to mid-band loss, 0.06dB typ.

| MAXIMUM RATINGS       |                |
|-----------------------|----------------|
| Operating Temperature | -20°C to 85°C  |
| Storage Temperature   | -55°C to 100°C |
| RF Power              | 0.25 W         |
| DC Current            | 30 mA          |

### Configuration : A



| PIN CONNECTIONS |   |
|-----------------|---|
| PRIMARY DOT     | 3 |
| PRIMARY         | 1 |
| SECONDARY DOT   | 4 |
| SECONDARY       | 6 |
| SECONDARY CT    | 5 |
| ISOLATE         | 2 |