

# RF IMPEDANCE TRANSFORMER

## SURFACE MOUNT MODEL: TM2-1

WIDE BANDWIDTH

1 - 600 MHz

**FEATURES:**

- ▶ Cost Effective
- ▶ Low Loss
- ▶ Small Size, Surface Mount
- ▶ Lead Free Patented REL-PRO® Technology



Part Identifier:  
Red & Green Dot

**SPECIFICATIONS (Rev. B 12/23/10)**

|                                 |                  |      |      |
|---------------------------------|------------------|------|------|
| Frequency                       | 1 - 600 MHz      |      |      |
| Impedance Ratio                 | 1:2              |      |      |
| Insertion Loss (dB) *           | Frequency (MHz)  | Typ. | Max. |
|                                 | 1 - 100          | 0.7  | 1.0  |
|                                 | 100 - 300        | 0.8  | 1.2  |
|                                 | 300 - 600        | 0.5  | 1.0  |
| Amplitude Unbalance             | 0.6 dB (Typ.)    |      |      |
| Phase Unbalance                 | 8° (Typ.)        |      |      |
| Return Loss                     | 20 dB (Typ.)     |      |      |
| Input Power                     | 0.25 Watt (Max.) |      |      |
| Input Impedance                 | 50 Ohms (Nom.)   |      |      |
| DC Current                      | 30 mA (Max.)     |      |      |
| Operating Temperature Range     | -40 to +85 °C    |      |      |
| Storage Temperature Range       | -55 to +100 °C   |      |      |
| * Plot excludes 3 dB Split Loss |                  |      |      |

**Package # 311**

REL-PRO® Patent No. 7,612,296

PACKAGE MOUNTING: SEE APPLICATION NOTES AN7200 & AN7301

| PORT LOCATION |      |          |      |         |
|---------------|------|----------|------|---------|
| Pri. Dot      | Pri. | Sec. Dot | Sec. | Sec. CT |
| 6             | 4    | 1        | 3    | 2       |

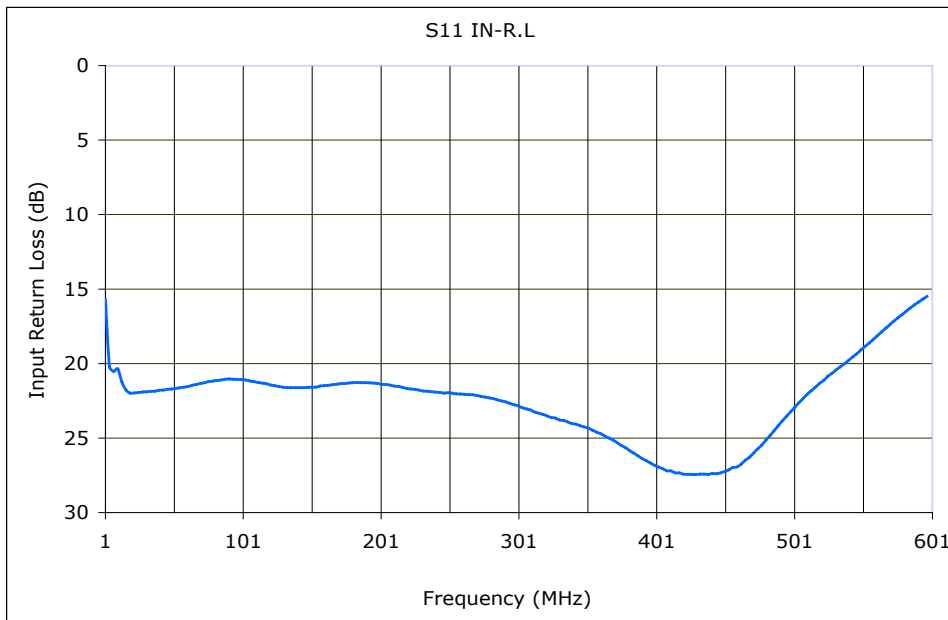
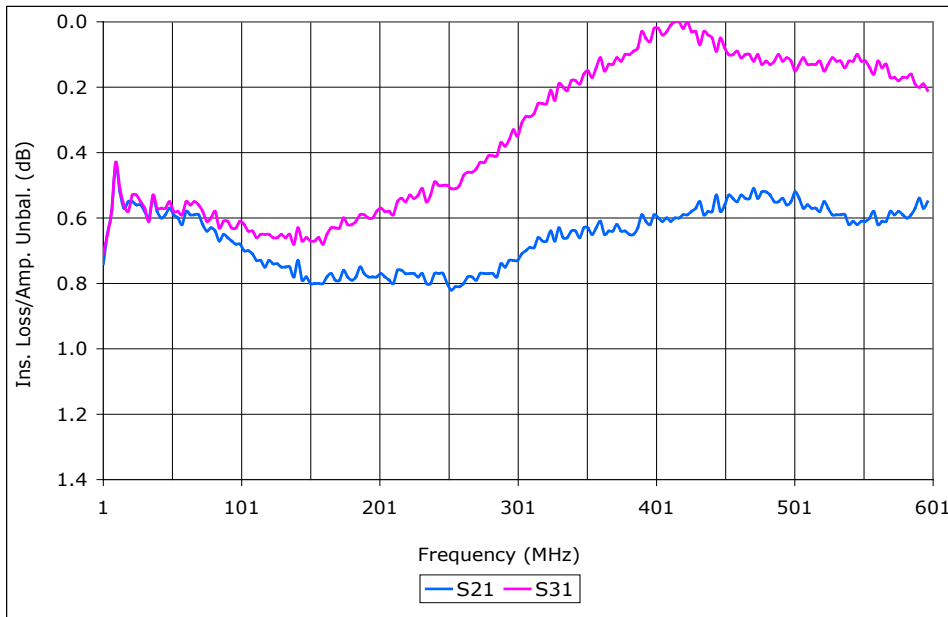
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Data @ 25°C



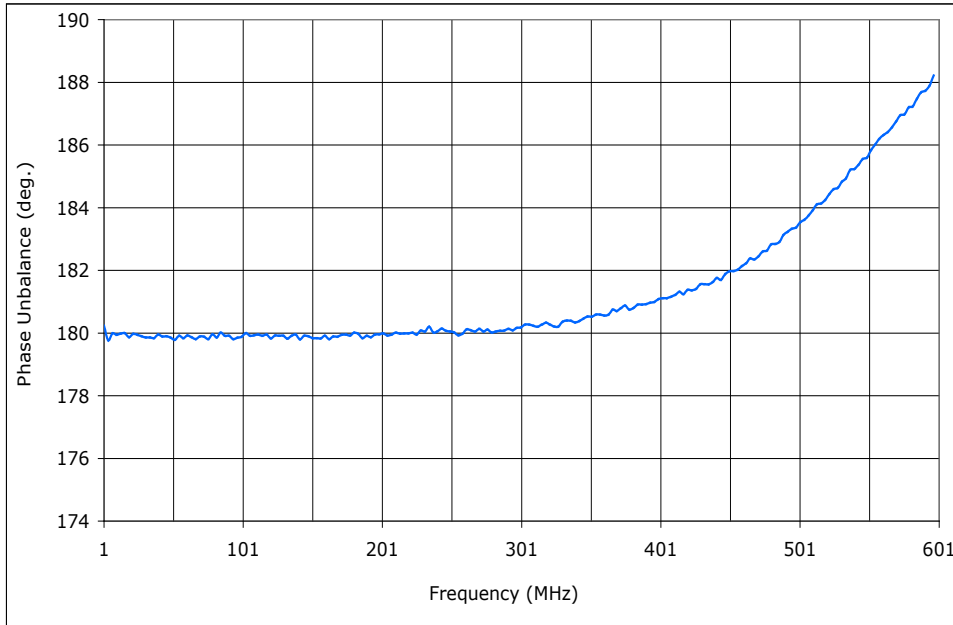
PERFORMANCE PLOTS

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