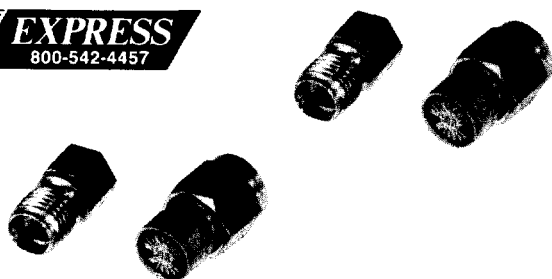


Model 1451 Subminiature Coaxial Terminations

dc to 40.0 GHz
1 Watt

Ruggedized 2.92mm Connector



Features

- /// **High Performance Cost Effective Design**
- /// **Subminiature Size and Lightweight** - All models are approximately 0.5 inches long, and weigh less than 3 grams with male connector
- /// **Low SWR Design Option**
- /// **Rugged Construction**

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 40.0 GHz

POWER RATING: 1.0 watt **average** @ 25°C ambient temperature, derated linearly to 0.25 watts @ 100°C. 500 watts **peak** maximum (5 μ sec pulse width; 0.2% duty cycle).

MAXIMUM SWR:

| Frequency Range (GHz) | 1451-1, -2 | 1451A-1 | 1451A-2 |
|-----------------------|------------|---------|---------|
| dc - 18 | 1.15 | 1.10 | 1.10 |
| 18 - 40 | 1.25 | 1.18 | 1.15 |

TEMPERATURE RANGE: -50°C to +100°C

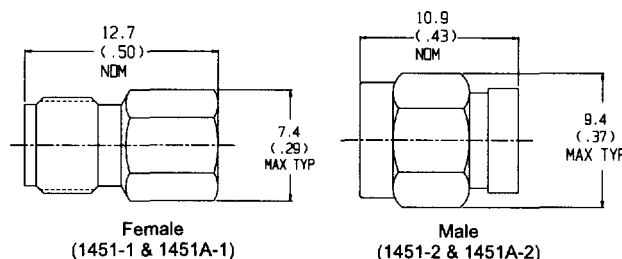
CALIBRATION: SWR Testing performed across the frequency band. Test data is available at additional cost.

CONNECTOR: Ruggedized 2.92mm connector compatible with SMA, 3.5mm and K® connector.

Pin Recession: 0 to 0.08 mm (0 to 0.003") Choice of male (-2) or female connector (-1).

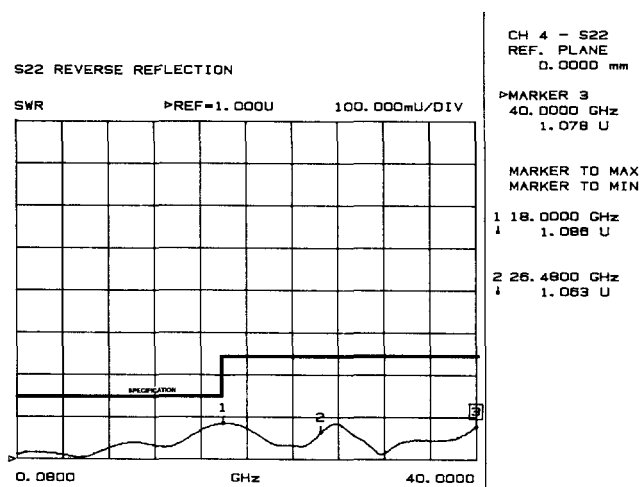
WEIGHT: 3.0 g (0.11 oz) maximum

PHYSICAL DIMENSIONS:



NOTE:

1. All dimensions are given in mm (inches) and are maximum, unless otherwise specified.
2. K® is a registered trademark of the Anritsu-Wiltron 2.92 mm connector.



Typical 1451-2 SWR Performance