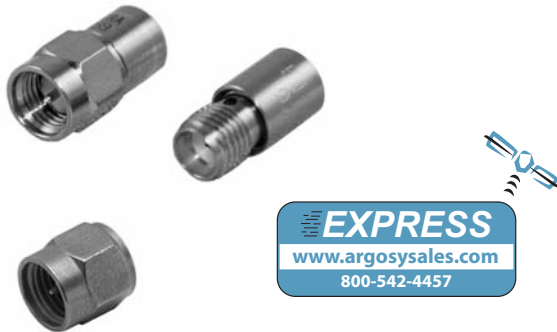


## Model 1437RA Model RS3016 Subminiature, SMA Connector

dc to 6.0 GHz / 2 Watts  
dc to 18.0 GHz / 1Watt



### Features

- /// Subminiature Size and Lightweight
- /// Low Cost & SWR
- /// Cellular Applications: Optimized for use in the wireless communications bands.

### Specifications

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** M/F1437RA: dc to 6.0 GHz  
RS3016: dc to 18.0 GHz

#### POWER RATING:

**Model 1437RA:** 2.0 watts **average** @ 25°C ambient temperature, derated linearly to 0.5 watts @ 125°C. 250 watts **peak** maximum (5 μsec pulse width; 0.4% duty cycle).

**Model RS3016:** 1.0 watts **average** @ 25°C ambient temperature, derated linearly to 0 watts @ 125°C. 250 watts **peak** maximum (5 μsec pulse width; 0.2% duty cycle).

#### MAXIMUM SWR:

Frequency Range (GHz)	F1437RA	M1437RA	RS3016
dc - 4	1.05	1.15	1.05
4 - 8 (6)	1.10	1.20	1.10
8 - 12.4	---	---	1.15
12.4 - 18	---	---	1.20

**TEMPERATURE RANGE:** -65°C to +125°C

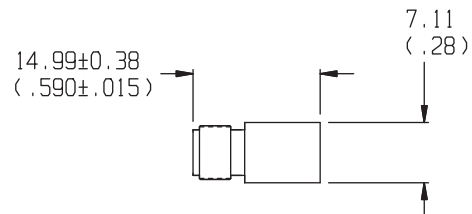
**CONNECTOR: Model 1437RA:** SMA connectors - mate nondestructively with MIL-C-39012 connectors. Choice of male or female connector, prefix model number with M for male and F for female. **Model RS3016** available in SMA male only!

**CONSTRUCTION:** Passivated stainless steel connectors with gold plated beryllium copper contacts.

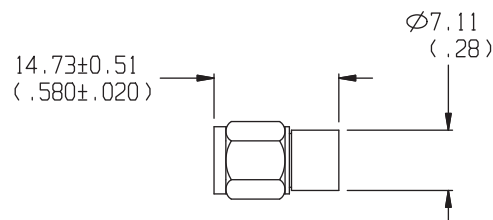
**WEIGHT:** M1437RA: 3.0 g (0.11 oz)  
F1437RA: 4.0 g (0.14 oz)  
RS3016: 2.3 g (0.08 oz)

#### PHYSICAL DIMENSIONS:

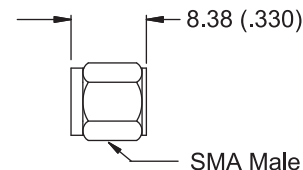
##### Model F1437RA:



##### Model M1437RA:



##### Model RS3016 (male only):



NOTE: All dimensions are given in mm (inches) and are maximum, unless otherwise specified.