

# TERMINATION COAXIAL DC-18 GHz SMA



DATA SHEET

PART SERIES: 4111P

SHEET 1 OF 2  
Dwg 1000045

EN 13-3827  
Revision F

## FEATURES

- Solderless Construction
- Low VSWR
- Rugged Construction
- MIL-DTL-39030
- High Reliability

## APPLICATIONS

- Mobile Networks
- Broadcast
- High Power Amplifiers
- Isolators
- Military
- Instrumentation

## GENERAL DESCRIPTION

Florida RF Labs has a complete series of SMA, 3.5 mm and 2.9 mm interface compatible coaxial terminations. These terminations have low VSWR and operate at frequencies from DC to 26.5 GHz. They are ideal for both laboratory measurements and system use.



## ORDERING INFORMATION

**Part Identifier:** 4111P

## SPECIFICATIONS

### 1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC - 18 GHz
VSWR:	DC – 4.0 GHz 1.04:1 Max 4.0 – 8.0 GHz 1.07:1 Max 8.0 – 12.0 GHz 1.10:1 Max 12.0 – 18.0 GHz 1.15:1 Max
Input Power CW:	2 Watts @ 25°C heat sink, derated linearly to zero power at 125°C
Peak Power:	20 watts (based on 10us pulse width and 1% duty cycle)

### 2.0 ENVIRONMENTAL

Operating Temperature:	-55°C to +125°C
Non-operating Temperature:	-55°C to +125°C
Temperature Coefficient:	+/-200 PPM / °C max
Standard Requirements:	MIL-DTL-39030

### 3.0 MARKING

Unit Marking: FRFL and 4111P, legibility and permanency per MIL-STD-130

### 4.0 QUALITY ASSURANCE

Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.  
Visual and Mechanical Inspection for Conformance to Outline Drawing  
Measure Resistance and VSWR  
Data Retention – Standard

### 5.0 PACKAGING

Standard Packaging: Tube

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DATA SHEET

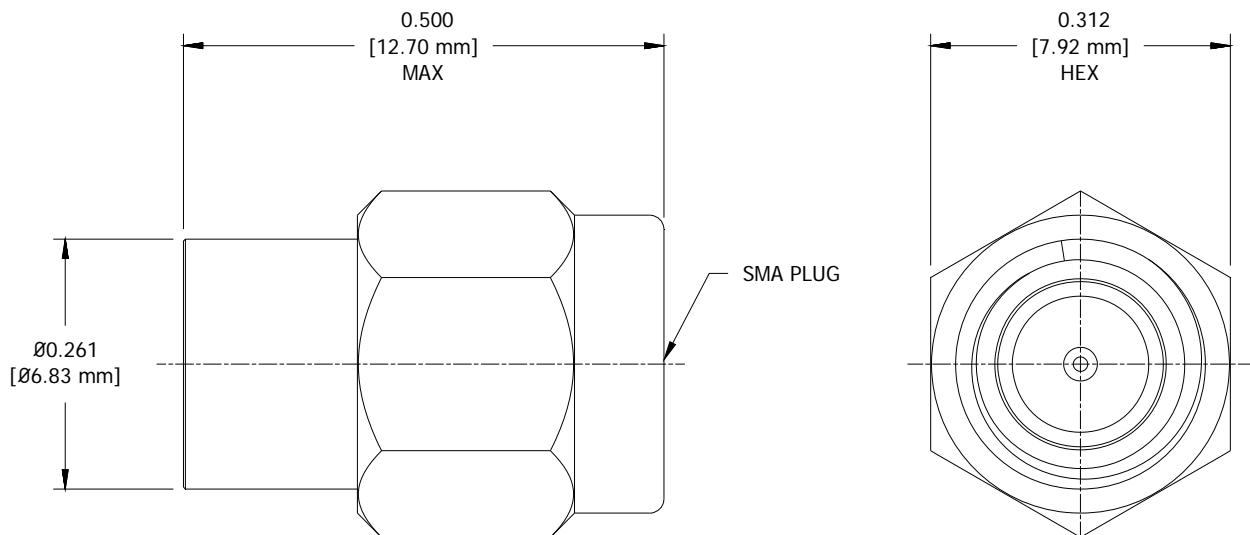
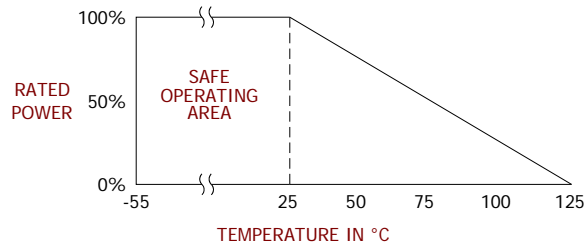
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## 6.0 MECHANICAL

Body and Nut Material:	Stainless Steel
Body and Nut Finish:	Passivated
Center Contact Material:	Beryllium Copper
Center Contact Finish:	Gold
Ceramic Material:	Alumina
Dielectric:	Teflon
Resistive Element:	Thin Film
Torque:	8 in-lbs maximum
Metric Dimensions:	Provided for reference only



Unless Otherwise Specified: TOLERANCE: X.XX =  $\pm 0.01$  X.XXX =  $\pm 0.005$