TERMINATION COAXIAL DC-18 GHz SMA



DATA SHEET PART SERIES: 4110J Dwg 1000035

EN 13-3827 **Revision E**

FEATURES

APPLICATIONS

Mobile Networks Solderless Construction Low VSWR Broadcast

Rugged Construction **High Power Amplifiers**

MIL-DTL-39030 Isolators High Reliability Military

Instrumentation



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: 4110J

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance: 50 ohms Frequency Range: DC - 18 GHz

VSWR: DC - 4.0 GHz 1.05:1 Max

4.0 - 8.0 GHz 1.12:1 Max 8.0 -12.0 GHz 1.15:1 Max 12.0 - 18.0 GHz 1.20:1 Max

Input Power CW: 2 watts @ 25°C heat sink, derated linearly to zero power at 125°C

Peak Power: 20 watts for 10us pulse width @ 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 MIL-DTL-39030 Standard Requirements:

3.0 MARKING

Unit Marking: FRFL and 4110J, 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

Smiths microwave Form 423F113 Rev-

Cage Codes: 24602 / 2Y194 Specifications are Subject to Change Without Notice www.emc-rflabs.com • +1 772-286-9300

AS 9100, ISO 9001 and 14001 Certified

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6.0 MECHANICAL

Body and Nut Material:

Body and Nut Finish:

Center Contact Material:

Stainless Steel

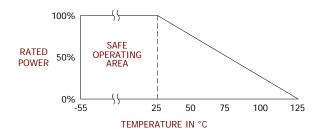
Passivated

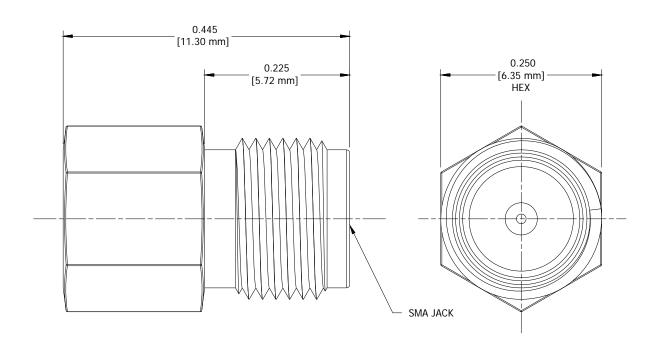
Beryllium Copper

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: $X.XX = \pm 0.01$ $X.XXX = \pm 0.005$