

ATTENUATOR

COAXIAL DC- 26GHz SMA 2 WATT



DATA SHEET

PART SERIES: 42UWXX.XXF

SHEET 1 OF 2
Dwg 1012775

EN 14-1970
Revision -

FEATURES

- Superior Attenuation Accuracy
- Low VSWR
- Rugged Construction
- MIL-DTL-3933
- High Reliability
- DC - 26 GHz
- 0-30 dB Available

APPLICATIONS

- Amplifier Stabilization
- Improve VSWR Between Stages
- Balance Channels
- Overload Protection
- Set Amplification Gain/Power
- Sample Output Power
- Ideal for Space and Military

GENERAL DESCRIPTION

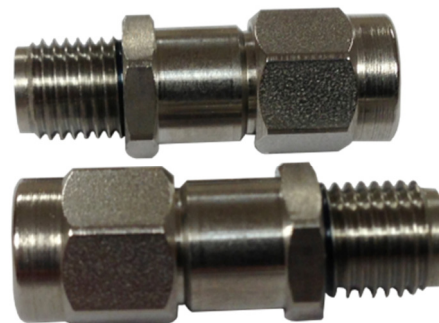
Florida RF Labs Coaxial Attenuators offer superior attenuation accuracy, with extended broadband frequency operation. This series is manufactured with stainless steel body and rugged construction for the most demanding environments.

ORDERING INFORMATION

Part Identifier:

42UWXX.XXF

Attenuation Value



SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC – 26 GHz
Attenuation Values Available:	0 – 30 dB in 1 dB increments
Attenuation Accuracy:	See Table 1
Input Power CW:	2 Watts @ 25°C heat sink, derated linearly to zero power at 125°C
Peak Power:	500 Watts (based on 5us pulse width and 1% duty cycle)
VSWR:	See Table 1

TABLE 1		ATTENUATION ACCURACY (dB)	
dB VALUE		DC – 26 GHz	
0		0 to 0.5 dB	
1-6		± 0.50 dB	
7-12		± 0.60 dB	
15 & 20		± 0.75 dB	
30		± 1.30 dB	
VSWR (MAX)			
DC – 4 GHz	4 – 12.4 GHz	12.4 – 18 GHz	18 – 26 GHz
1.15:1	1.25:1	1.35:1	1.50:1

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2.0 ENVIRONMENTAL

Operating Temperature: -65 C to +125 C
Temperature Coefficient: +/-200 PPM / °C max

3.0 MARKING

Unit Marking: Logo, dB Value and frequency, legibility and permanency per MIL-STD-130

4.0 QUALITY ASSURANCE

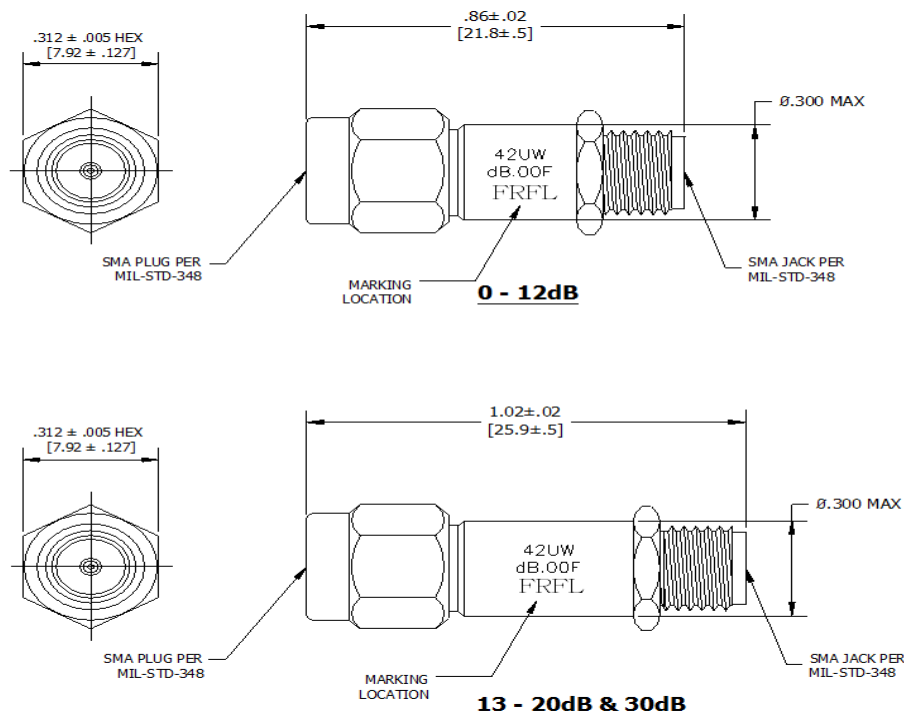
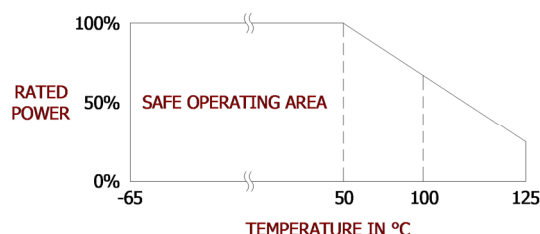
Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL
Visual and Mechanical Examination for Conformance to Outline Drawing
Measure Attenuation and VSWR
Data Retention – Standard

5.0 PACKAGING

Standard Packaging: Tube

6.0 MECHANICAL

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



Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.01 X.XXX = ± 0.005