

Series VA-1400 Mechanically Variable Actuators are continuously variable and ideal for managing and testing signal levels and quality

System Specifications

- Input Power: 2 Watts (max)
- Resolution: 0.1 dB
- Frequency Range: DC to 1.5 GHz
- Input/Output Impedance: 50 Ω

Applications

- RF and Microwave system signal amplitude adjustment

Configure Now



Series VA-1400 Mechanically Variable Actuators

The Eastern OptX Series 1400 Attenuators are continuously variable (not step attenuators) with operation from DC to 1.5 GHz (Usable to 4 GHz) depending on the model. 0 to 15 dB (usable to 25 dB).

This Series is ideal for new product designs and also for replacement of obsolete models from other suppliers designed into legacy products. Three styles are available with various mounting configurations, including panel mount. Custom variations are available including package style, frequency range, connectors, and attenuation.

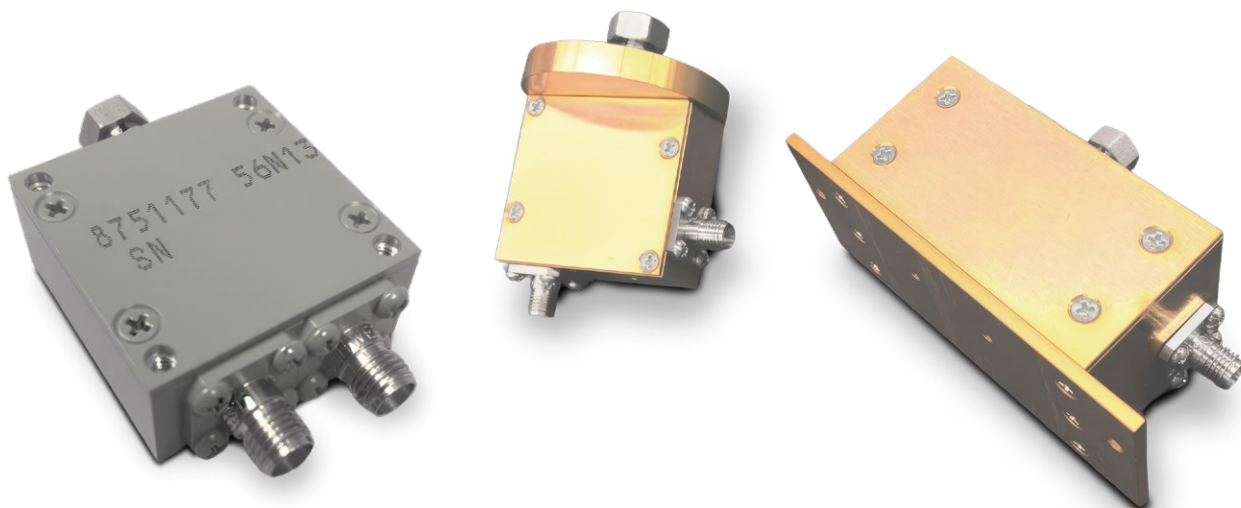
Environmental Specifications

- Shock: MIL-STD-202 Method 213
- Vibration: MIL-STD-202 Method 201
- Humidity: 95% with condensation, MIL-STD-202 Method 106
- Temperature: 0 to 70 °C

Standard System Features

- Mechanically variable with locking screw.
- 7-turn typical, full range resolution
- DC to 1.5 GHz
- Up to 2 Watts
- High resolution
- High resetability
- Phase stable
- Low VSWR
- Highly linear attenuation-to-mechanical rotation
- Environmentally rugged (Shock, vibration, temperature and humidity)
- Suitable for harsh environments
- Flat frequency response
- SMA Jack RF I/O
- Symmetrical I/O
- Industry Standard Configurations

Series VA-1400 Mechanically Variable Actuators



Potential Cross Reference Table

Configuration	EO Part	NAVSEA	ATM	ATM	ARRA	ARRA	MCLI	MCLI	Weinschel
End Connectors	1401	8751177	AFL033-15	AF023-15	NA	NA	NA	NA	NA
Side Connectors	1402	NA	AFL022-15	AFL042-15	3344	0682-10	CVAL1-15	CVA30-15	NA
Panel Mount	1403	NA	AF042-15	NA	NA	0682-10G	NA	NA	WA9426

Typical VA-1400 Specifications

Parameter	Specification	Notes
Input Power	2W	Max , Average
Resolution	0.1 dB	
Reset-ability	0.2 dB	
Flatness	See plot	
VSWR	2 : 1	Maximum
Frequency Range:	DC to 1.5 GHz	
Temperature Range:	0 to 70 ° C	
Mechanical resolution:	1.5 dB per turn	Approximately Linear
Input/Output Impedance	50 Ω	Nominal

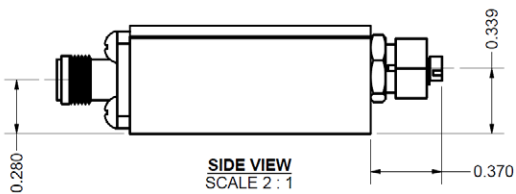
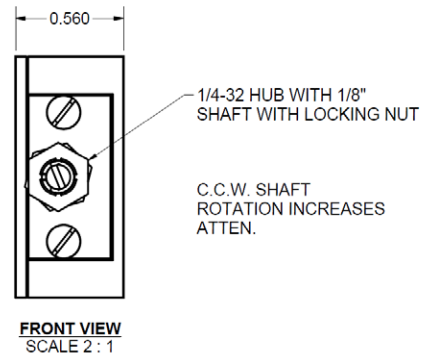
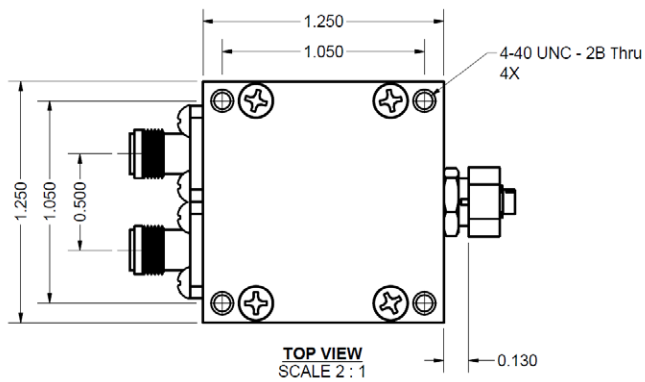
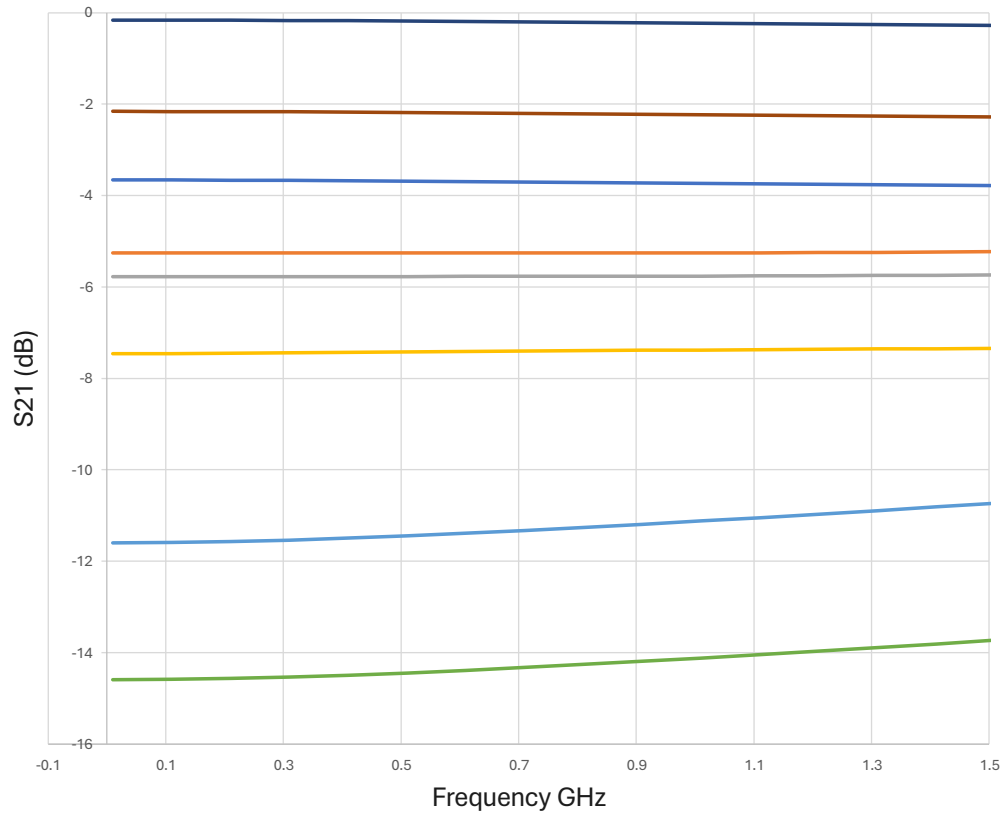




Series VA-1400 Mechanically Variable Actuators

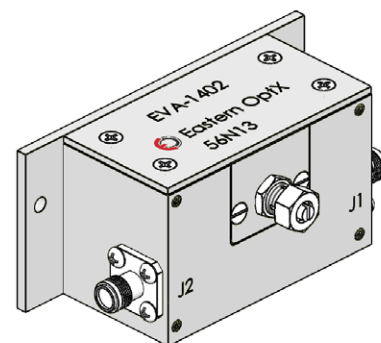
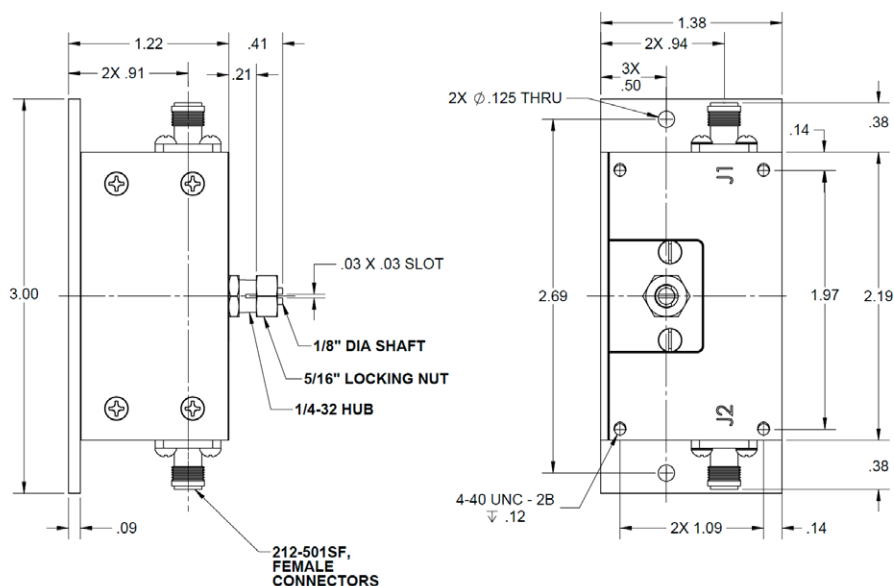


Typical Series 1400 Amplitude Response



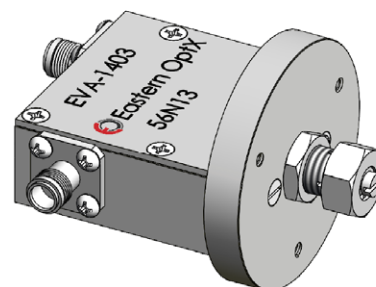
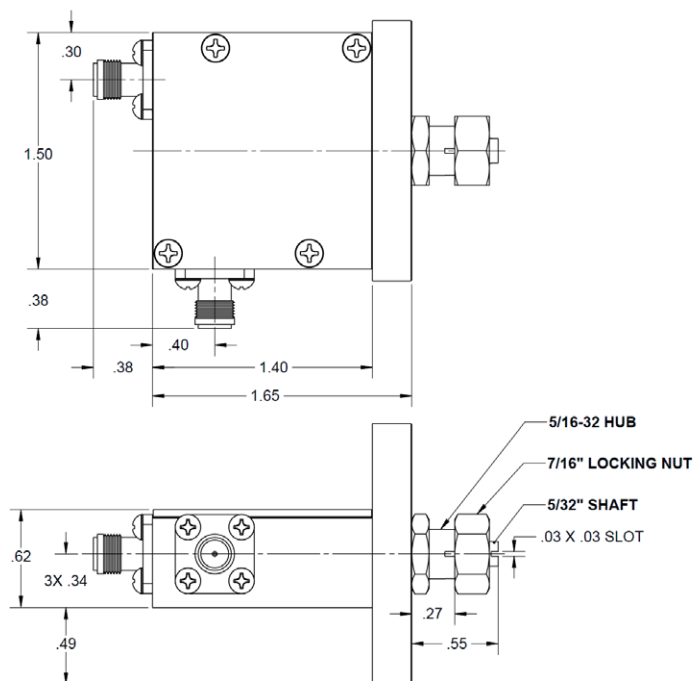
EVA-1401
Mechanically Variable Actuator



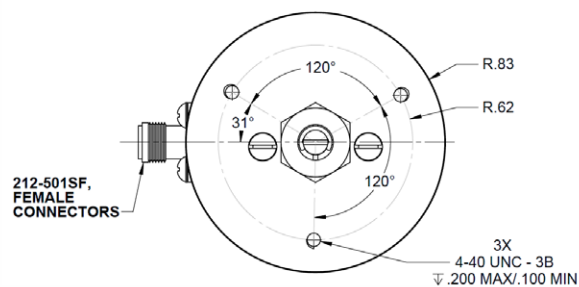


C.C.W SHAFT ROTATION INCREASES ATTENUATION

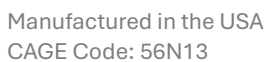
EVA-1402 Mechanically Variable Actuator



C.C.W SHAFT ROTATION INCREASES ATTENUATION



EVA-1403 Mechanically Variable Actuator



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