

# CONTINUOUSLY VARIABLE ATTENUATORS

2.0-18.0 GHz  
Models  
3" Dia



## GENERAL CHARACTERISTICS

- Frequency bands from 2.0-18.0 GHz
- Optional dial lock on P version (Form 6921)
- Many models exhibit flat attenuation vs frequency characteristics
- Zero backlash
- 0.1 dB or better resettability
- 10 watts average power, 5 kW peak
- Type N or SMA female connectors
- Low VSWR - 1.50 max
- Non-contacting
- Low insertion loss  
0.5 dB max for models up to 60 dB  
1.0 dB max for models above 60 dB
- Directly calibrated or degree dial
- Counter clockwise rotation increases loss
- Stop at low and high loss positions
- Material: Body - Aluminum  
Connectors - Stainless Steel
- Finish: ARRA Blue per MIL-C-22750

## GENERAL INFORMATION

This series of variable attenuators is our most popular type for direct reading requirements. As in most of our units, it features a non-contacting method of varying attenuation, and calibration does not change with usage.

**Direct Reading Models** are furnished with dials individually calibrated in 1 dB increments. These units are flat with frequency.

**Level Set Models** are supplied with dials in degrees for reference. These units do not have attenuation vs frequency specifications. All level set models can be directly calibrated at a spot frequency; contact factory.

**Special Models** - Most units are manufactured to customer specifications. Accuracies can be quoted for your exact attenuation range and frequency band; contact factory.

**Type N Female Connectors** are standard. For SMA female connectors, suffix model number with S.

**Panel Mounting** is standard on Forms 0-1028 and 0-1069. Form 0-701 can be changed to Form 0-1096 by preceding model number with P. When panel mounting these units, turn the shaft fully clockwise (0 dial position) and after removing the dial in the dial holder, mount the unit behind the panel with the shaft protruding thru. Then set screw the dial hub to the shaft. The dial can be slipped to align the 0 with the index line (a separate index plate is furnished) and calibration accuracy is perfectly maintained. Because of this arrangement, the units can be oriented in any position behind the panel, while the index plate can be mounted to the panel anywhere on the periphery of the dial.



