

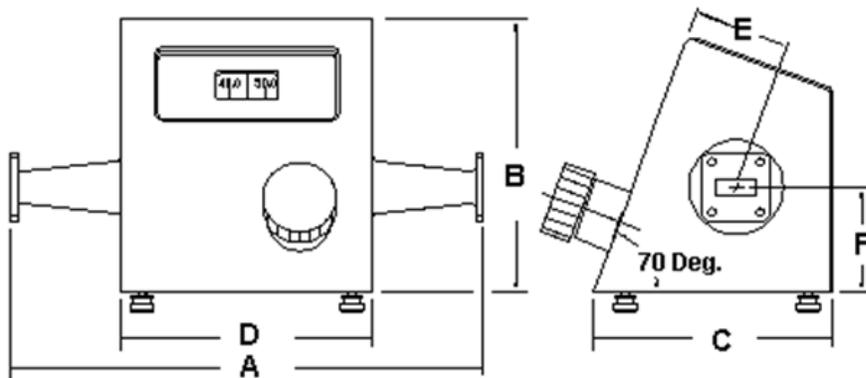
Variable Precision Rotary Vane Attenuators

Waveline Inc. Model 622

This direct reading precision unit provides varying attenuation values that depend on mathematical law and are independent of frequency. A specially designed cylindrical waveguide section contains matched precision metallized attenuating elements which are rotated to exactly angular positions. Attenuation readout is provided through use of a precision stainless steel tape mechanism which presents an overall scale length greater than thirty inches. Because of the reduced size and short length, as well as the inherent rugged construction, this unit is readily adaptable for special systems applications.

General Specifications:

Waveguide Size:	WR-90 (inner 22.86 mm × 10.16 mm)
Frequency Range:	8.2 to 12.4 GHz
Power Capability:	10 Watts
Attenuation Range:	0 to 60.0 dB
VSWR:	1.15 maximum
Accuracy:	0 to 50 dB: +/-2% of dB reading or +/-0.1 dB, whichever is greater 50 to 60 dB: Usable as reference only
Insertion Loss:	1.0 dB maximum (0.5 dB typical)



Dimensions	A	B	C	D	E	F
(inch)	11.25	6.13	5.70	6.00	2.33	2.50