



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFWAT90W01K

Waveguide High Power Coupling Attenuator 8.2 – 12.4GHz

Features

- Waveguide Coupling Attenuator.
- 1000W Power Handling

Typical Applications

- Microwave Test and Measurement
- Radar Applications.
- Military and Defense.



Electrical Specifications, $T_A=25^\circ\text{C}$

Parameters		Min.	Typ.	Max.	Units
Frequency Range		8.2		12.4	GHz
VSWR				1.25	: 1
Attenuation		6		60	dB
Flatness			± 0.5	± 0.7	dB
Flatness (8.2 to 10GHz)				± 0.5	dB
Power Handling				1000	W
Waveguide type		Rectangular Waveguide WR-90			
Flange type		UG135/U			
Material		Copper / Brass			
Finish	Inside	Silver Plating			
	Outside	Grey Paint (Corrosion protected)			

Environmental Specifications

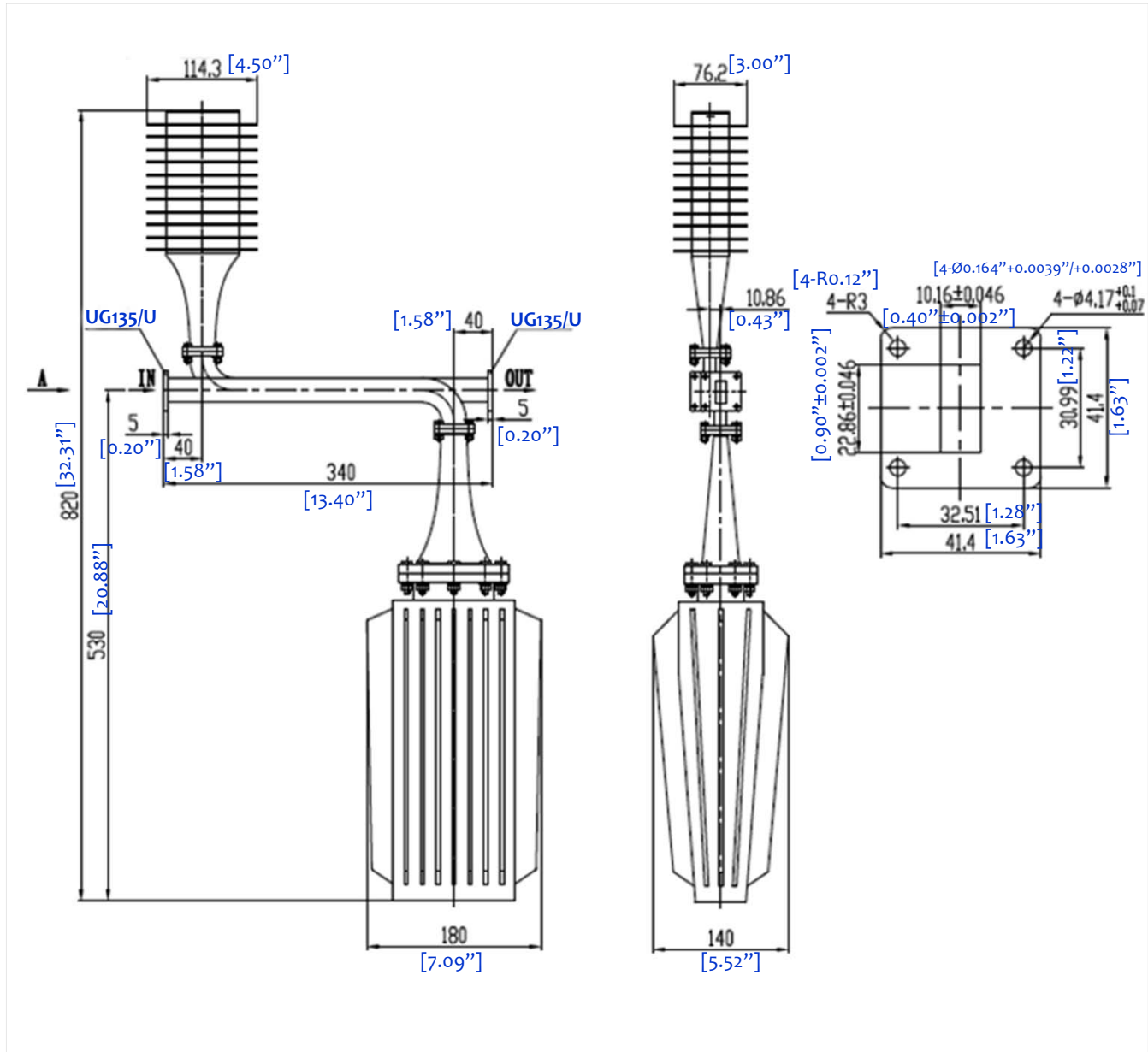
Operational Temperature ($^\circ\text{C}$)	-45 ~ +85
Storage Temperature ($^\circ\text{C}$)	-50 ~ +125
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35C, 95%RH at 40 $^\circ\text{C}$
Shock	20G for 11msec half sine wave, 3 axis both directions

Waveguide High Power Coupling Attenuator 8.2 – 12.4GHz



Outline Drawing:

All Dimensions in mm [inches]



Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information. RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.