

1.0	Mechanical Specifications	
1.1	Waveguide type	Flexible Twistable Waveguide WR284
1.2	Flange type	CPRG, CPRF, COVER, CHOKE available
1.3	Flange Holes	Through
1.4	Basis-material	Aluminum, Brass, Alloyed Cuprum, Stainless
1.5	Outer material	Neoprene rubber jacketed
1.6	Internal Body Finish	Silver Plated chromate or conversion
1.7	External Body Finish	Body painted with gray/black epoxy enamel
1.8	External Body Finish	Body painted with gray/black epoxy enamel

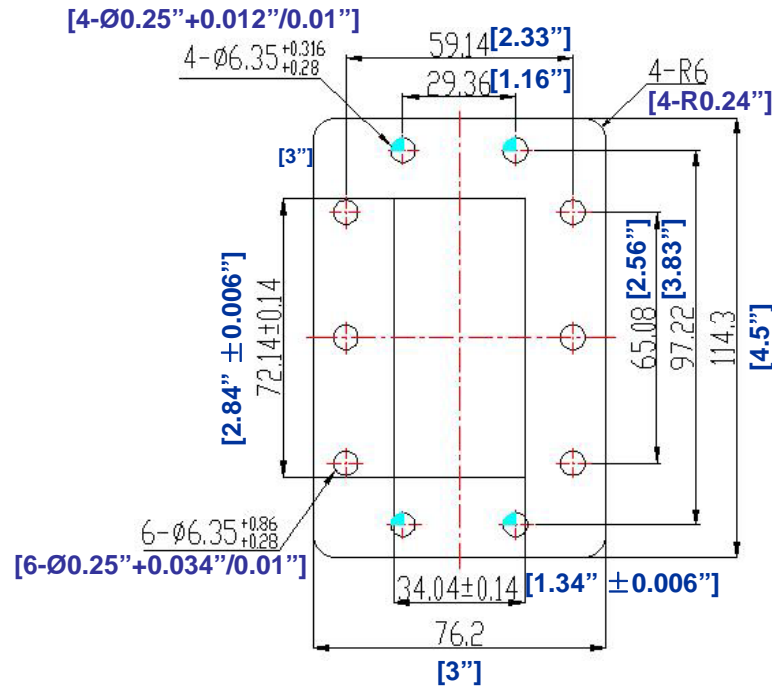
2.0	Environment specifications	
2.1	Operation Temp.	-54°C--85°C
2.2	Storage Temp.	-60°C--125°C
2.3	Altitude	40000 ft
2.4	Vibration	12.5g rms (15 degree 2KHz)
2.5	Humidity	100% RH at 35c, 95%RH at 50 deg c
2.6	Shock	20G for 11msc

3.0	Electrical Specifications	
3.1	Frequency Range	2.60-3.95GHz
3.2	Insertion Loss	0.1dB / m
3.3	Power CW / Peak	1000 Watts / 2.5M Watts
3.4	Max. VSWR	1.20:1

Table 4. FLEXIBLE WAVEGUIDE - STANDARD LENGTHS (mm)										
100	200	300	400	500	600	800	900	1000	1200	1500
A	B	C	D	E	F	G	H	I	J	K
◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
◆ Available unjacketed or with bonded silicone jacket										
○ Available unjacketed or in elastomer sleeving										

# FLEXIBLE WAVEGUIDE

--- RFWF284



MAX RETURN LOSS (dB)			MIN. CENTRELINE BENDING RADII				MAX. TWIST	
			STATIC	STATIC	REPEAT	REPEAT	STATIC	REPEAT
300mm	600mm	1000mm	E-PLANE	H-PLANE	E-PLANE	H-PLANE	deg/m	deg/m
30.2	27.7	27.2	97	197	397	797	102°	51°

**Part Number:** **RF W F 284 CF AL S E B**

RF-Lambda  
Waveguide  
Flexible Waveguide  
Waveguide Type Number  
Flange Type: CG=CPRG; CF=CPRF; CO=COVER; CK=CHOKE  
Material: AL=Aluminum; BS=Brass; AC=Alloyed Cuprum; SS=Stainless  
S=STATIC; R=REPEAT  
PLANE TYPE: E=E-PLANE; H=H-PLANE  
Length: A=100mm; B=200m (Refer Table 4)

PAGE 1 OF 1	DATE	Apr 1 <sup>st</sup> 2008
PROPRIETARY INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF RF-LAMBDA EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITINGS BY RF-LAMBDA. THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN THE WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION OF ALL THIRD PARTIES AND SHALL USE SAME FOR OPERATING AND MAINTENANCE PURPOSES ONLY	DESIGN	RFPC
	RF-LAMBDA	RFPC
	CAD MODEL REVISION	065-23
	ASSEMBLY REVISION	VS1124
	ASSEMBLY NAME	RFLVRO2K
	DRAWING NUMBER	D056-2
www.rflambda.com	SIZE	SHEETS
RF-LAMBDA	LT	1 OF 1