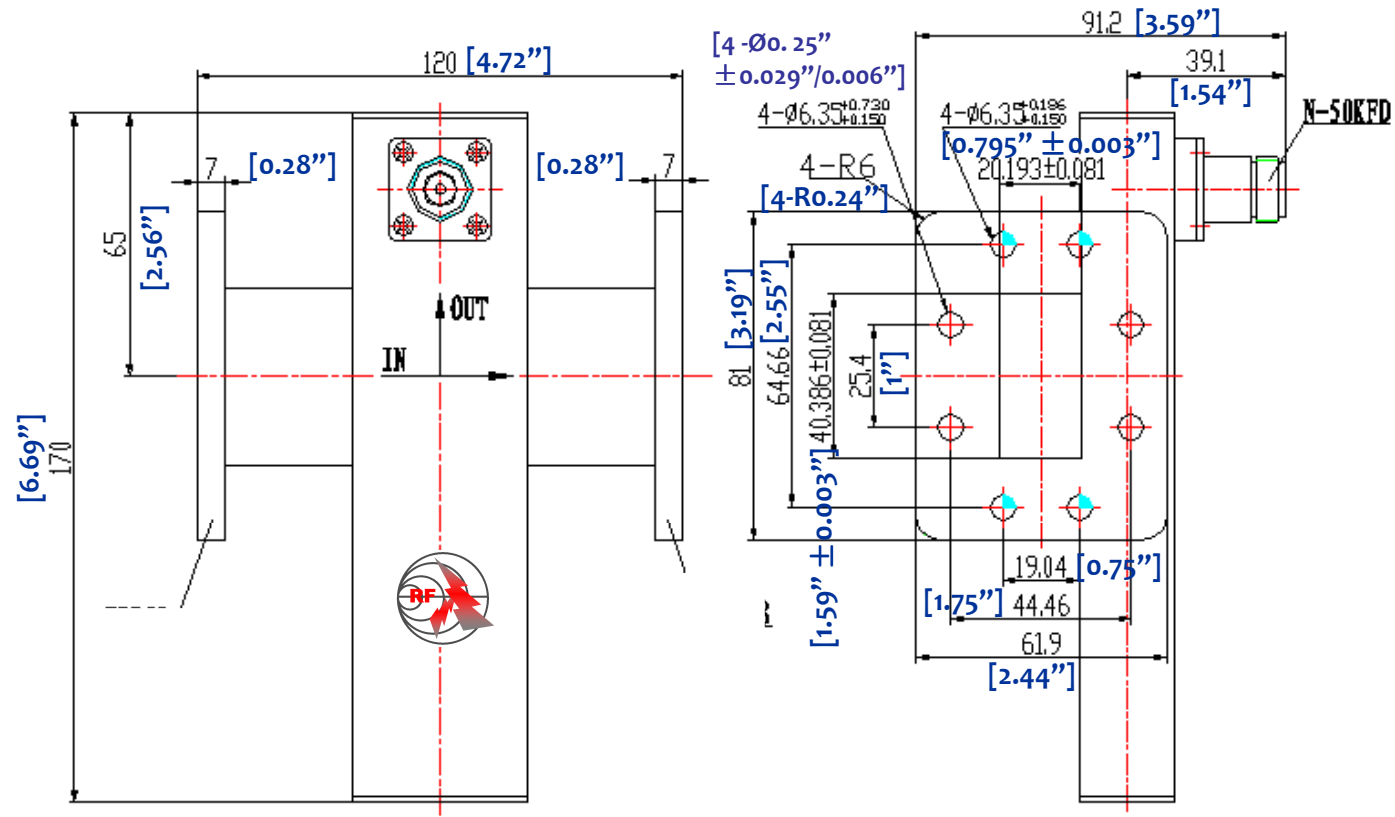



CROSS GUIDE WAVEGUIDE DIRECTIONAL COUPLER- RWGCP159SA



3.0 Electrical Specifications		
3.1	Frequency Range	5.8~7GHz
3.2	Directivity min	20dB
3.3	Coupling	40dB+/-1.0
3.4	VSWR (master)	1.10 : 1
3.5	Power Handle (W)	1000W CW
3.6	Insertion Loss	0.2dB
3.6	VSWR (2 nd Line)	1.25 : 1

1.0 Mechanical Specifications		
1.1	Waveguide type	Rectangular Waveguide WR159
1.2	Flange type	CPR-G/CPR-F FLANGE
1.3	Flange Holes	Through
1.4	Basis-material	Alloyed Aluminum
1.5	Internal Body Finish	Silver Plated chromate or conversion
1.6	External Body Finish	Body painted with gray/black epoxy enamel

2.0 Environment specifications		
2.1	Operation Temp.	-40°C~+85°C
2.2	Storage Temp.	-60°C~+125°C
2.3	Altitude	45000 ft
2.4	Vibration	10g rms (15 degree 2KHz)
2.5	Humidity	100% RH at 35C, 95%RH at 40 deg c
2.6	Shock	20G for 11msc

PAGE	OF	DATE	Apr 18 th 2007
PROPRIETARY INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF RF-LAMBDA EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING 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	
 RWGCP159SAWA VEGUIDE COUPLER		RFPC	
www.rflambda.com RF-LAMBDA		CAD MODEL REVISION 0-4	
SIZE LT		ASSEMBLY REVISION VS2DS	
SHEETS 1 OF 1		ASSEMBLY NAME RFLVR011	
		DRAWING NUMBER D02-1	