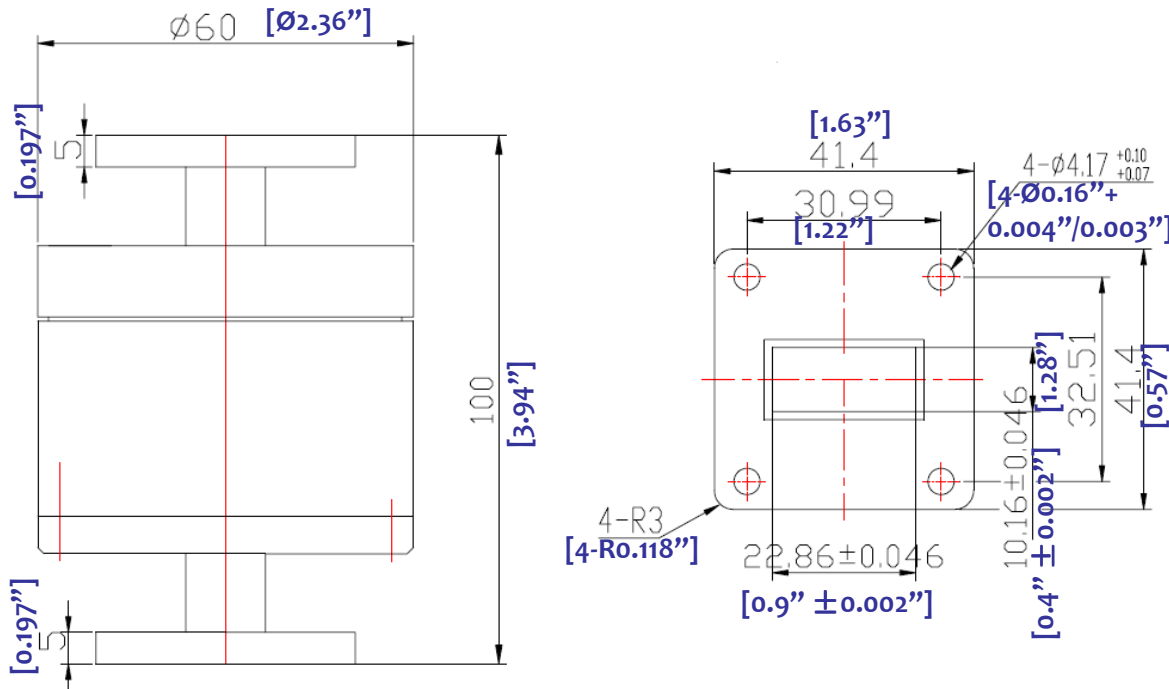


# WR90 WAVEGUIDE "I" SHAPE SINGLE CHANNEL ROTARY JOINT --- RFWRJ90SI



1.0 Mechanical Specifications		
1.1	Waveguide type	Rectangular Waveguide WR90
1.2	Flange type	Square Cover
1.3	Flange Holes	Through
1.4	Basis-material	Alloyed Copper
1.5	Internal Finish	Sliver Plating
1.6	External Finish	Anticorrosion gray paint

2.0 Environment specifications		
2.1	Operation Temp.	-40°C~+70°C
2.2	Storage Temp.	-50°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



3.0 Electrical Specifications		
3.1	Frequency Range	8.2-12.4GHz (Bandwidth 300MHz)
3.2	Max. Insertion Loss / IL WOW	0.6dB /0.2(CH1&CH2)
3.3	Max. VSWR / VSWR WOW	1.70:1 /0.2

PAGE 1 OF 1		DATE Jun 21 <sup>st</sup> 2006
<small>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</small>		
DESIGN RFPC		
RF-LAMBDA RFPC		
CAD MODEL REVISION 11		
ASSEMBLY REVISION VS5DS		
ASSEMBLY NAME RFLVR05		
DRAWING NUMBER D05-1		
www.rflambda.com		
RF-LAMBDA		SIZE LT SHEETS 1 OF 1