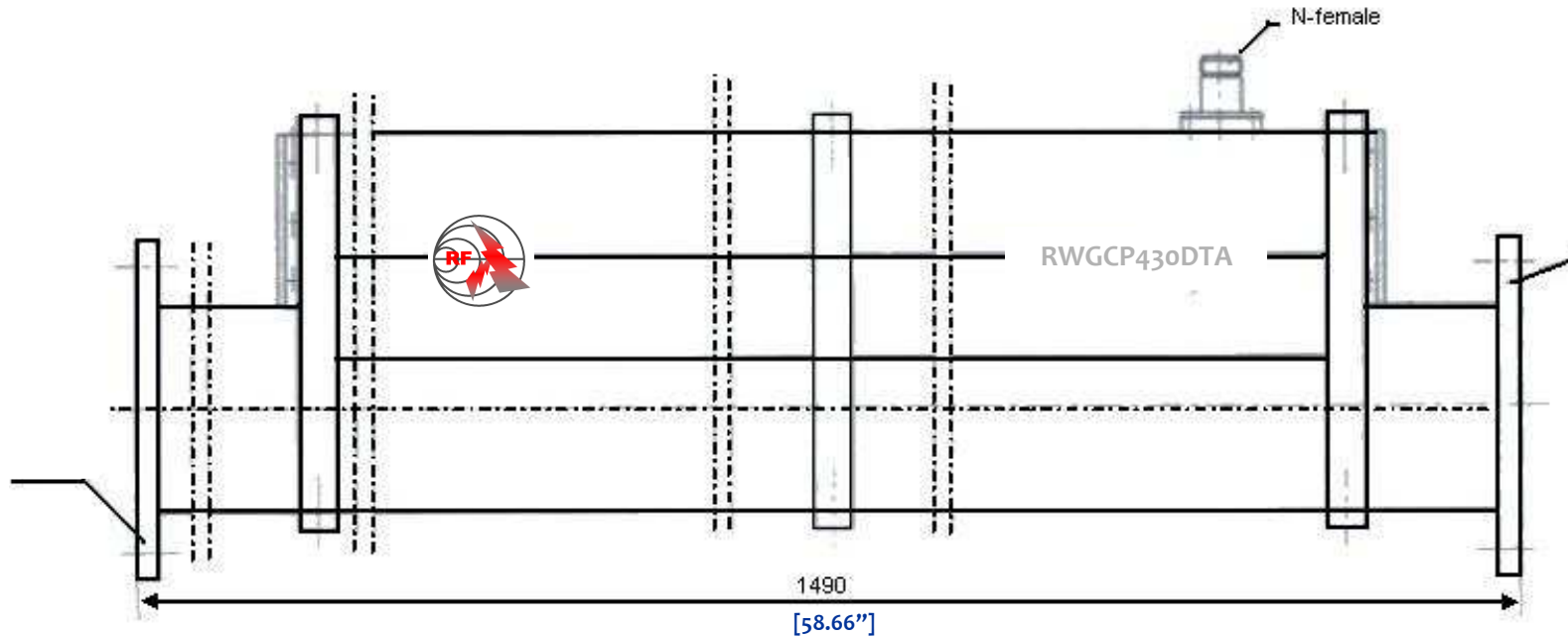



# WAVEGUIDE WR430 DIRECTIONAL COUPLER – RWGCP430SA



1.0	Mechanical Specifications	
1.1	Waveguide type	Rectangular Waveguide WR430
1.2	Flange type	CPR-G430
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.	-54°C~+71°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

Electrical Specifications						
Frequency Range	Power Handle	Insertion Loss	Coupling	VSWR (master)	VSWR (2 <sup>nd</sup> Line)	Direction
2.2 – 2.3GHz	5000W CW	0.1dB	30dB +/- 1.0	1.1:1(Max)	1.2:1(Max)	40dB

PAGE	OF	DATE	Apr 18 <sup>th</sup> 2007
<small>PROPRIETARY INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF RF-LAMBDA EXCEPT AS SPECIFICALLY AUTHORIZED IN WRJLTBGS 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	0-4
		ASSEMBLY REVISION	VS2D5
 <b>RWGCP430SA WAVEGUIDE COUPLER</b>		ASSEMBLY NAME	RFLVR011
		DRAWING NUMBER	D02-1
<a href="http://www.rflambda.com">www.rflambda.com</a>		SIZE	LT
<b>RF-LAMBDA</b>		SHEETS	1 OF 1