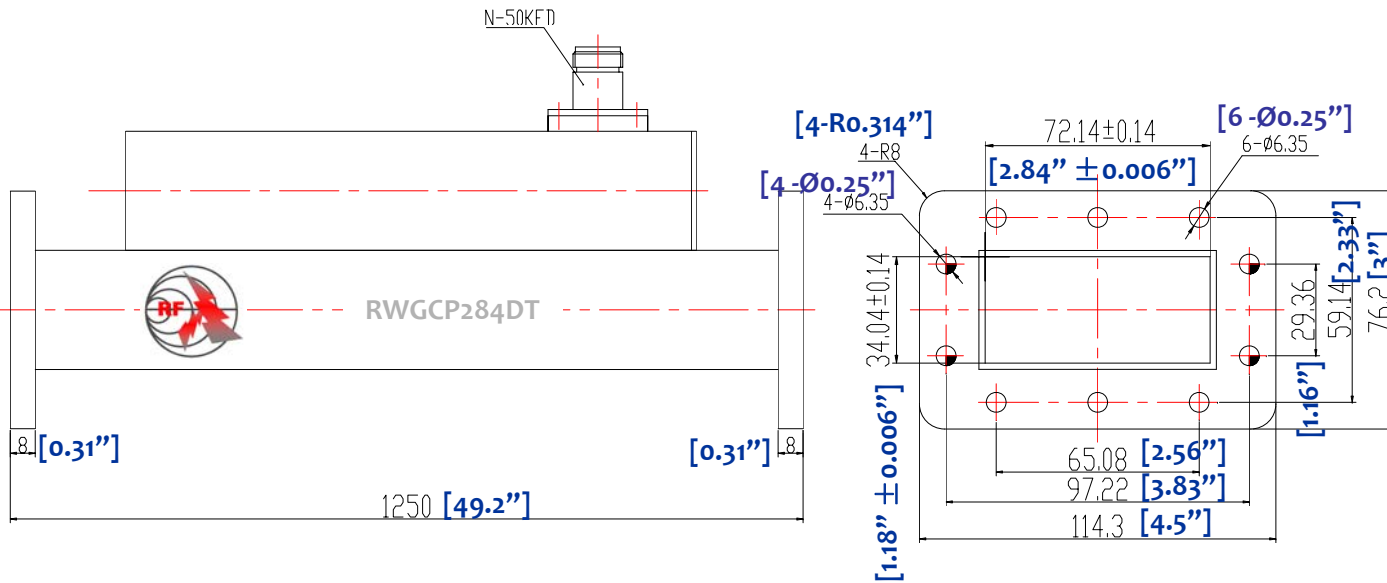



# WAVEGUIDE WR284 DIRECTIONAL COUPLER- RWGCP284SA



3.0 Electrical Specifications		
3.1	Frequency Range	2.6~3.95GHz
3.2	Forward Power	1000W (CW)
3.3	Peak Power	20kW (8us pulse)
3.4	Coupling	10dB~20dB
3.5	Flatness	± 1.0dB (10dB) ± 1.5dB (20dB)
3.6	Directivity	40dB min
3.7	VSWR (master)	1.15 : 1
3.8	VSWR (2 <sup>nd</sup> Line)	1.25 : 1
3.9	Insertion Loss	0.15dB

1.0 Mechanical Specifications		
1.1	Waveguide type	Rectangular Waveguide WR284
1.2	Flange type	CPRG, CPRF, COVER, CHOKE available
1.3	Flange Holes	Through
1.4	Basis-material	Cuprum
1.5	Internal Body Finish	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

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		Feb 14 <sup>th</sup> 2007
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		RFPC
		RF-LAMBDA
		RFPC
 <b>RWGCP284SA WAVEGUIDE COUPLER</b>		CAD MODEL REVISION
		1-4
		ASSEMBLY REVISION
		VS20-3
<small>www.rflambda.com</small>		ASSEMBLY NAME
		RFLVR04
<b>RF-LAMBDA</b>		DRAWING NUMBER
		D02-5
SIZE	LT	SHEETS
		1 OF 1