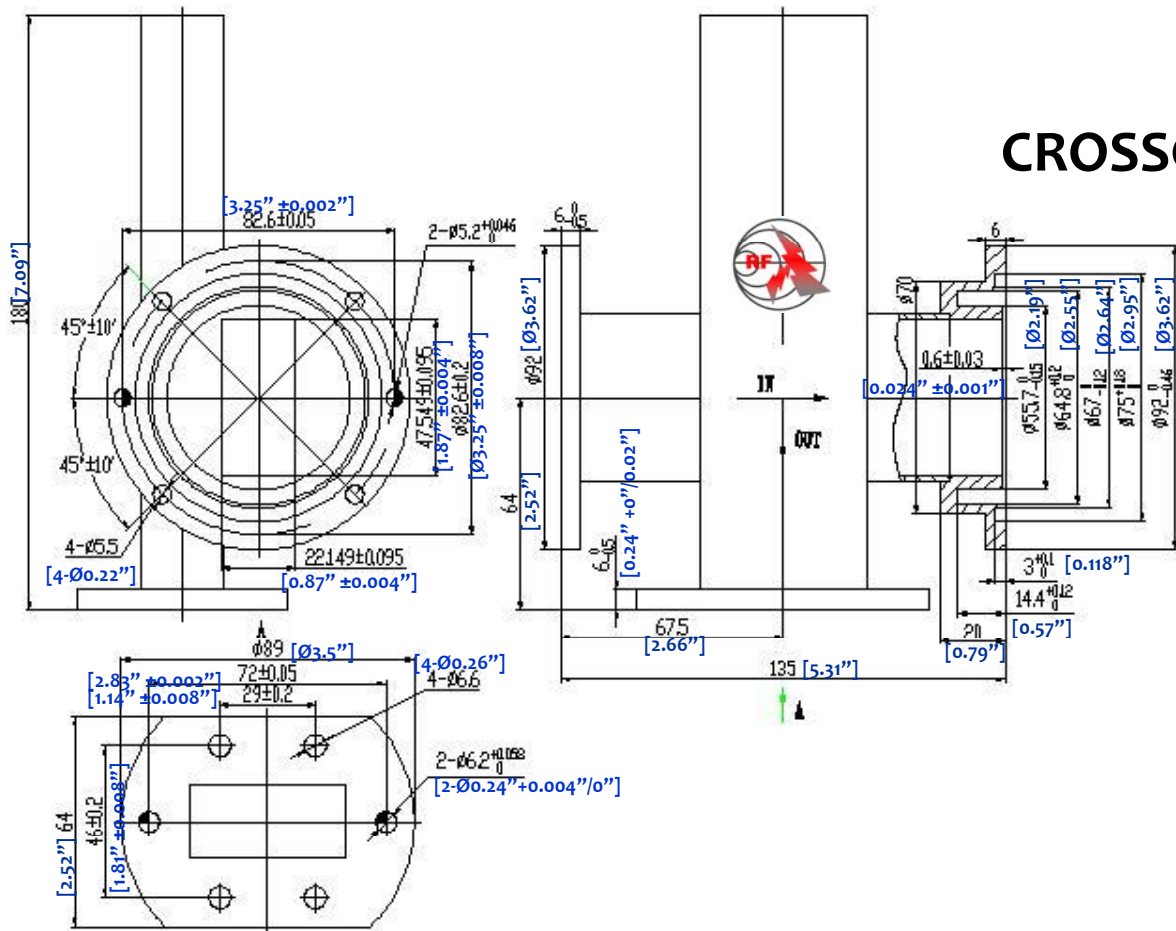



# WAVEGUIDE WR187 CROSSGUIDE DIRECTIONAL COUPLER - RWGCP187SD



3.0 Electrical Specifications		
3.1	Frequency Range	5.59~5.69GHz
3.2	Coupling forward	60dB
3.3	Directivity	17dB min
3.4	VSWR	1.1
3.5	Insertion Loss	0.15dB max.
3.6	Power Handling	6000W

1.0 Mechanical Specifications		
1.1	Waveguide type	Rectangular CrossGuide WR187
1.2	Flange type	CPRG, CPRF, COVER, CHOKE available
1.3	Flange Holes	Through
1.4	Basis-material	Alloyed 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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 <b>RWGCP187SD WAVEGUIDE COUPLER</b>		DESIGN RFPC  RF-LAMBDA RFPC  CAD MODEL REVISION 1-4 ASSEMBLY REVISION VS20-3 ASSEMBLY NAME RFLVR04 DRAWING NUMBER D02-5
www.rflambda.com		
RF-LAMBDA	SIZE LT	SHEETS 1 OF 1