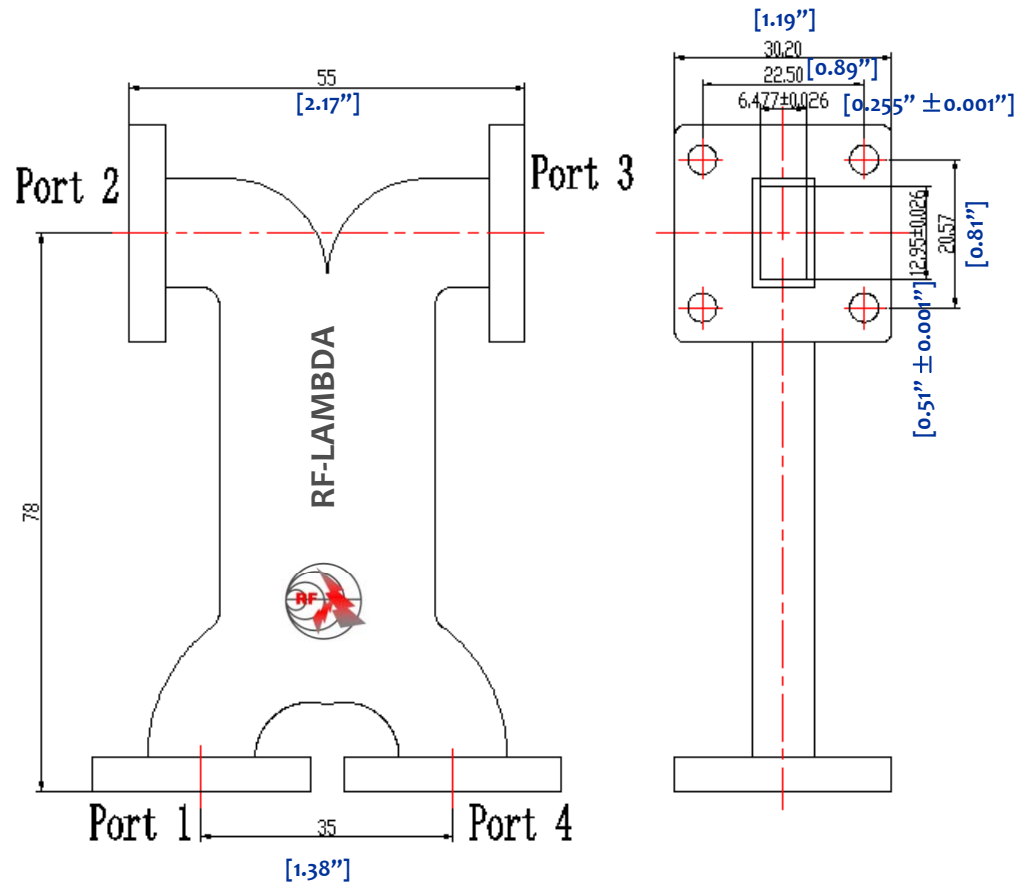


WAVEGUIDE HIGH POWER SIDE WALL COUPLER

-- RWGCP51SA



3.0	Electrical Specifications	
3.1	Frequency Range	19.4 ~ 21.3GHz (as shown) 15.0 ~ 22.0GHz (10% bandwidth)
3.2	Average Power	100W (CW)
3.3	Peak Power	400W
3.4	Insertion Loss	0.25dB
3.5	Coupling	3+/-0.2dB (Port 1->Port 3)
3.6	Isolation	26dB min (Port 1 -> Port 4)
3.7	O/P Power Imbalance	0.25dB (max.) (port 2-> Port 3)
3.8	Phase Difference	90 Degree (nom.) (Port 2-> Port 3)
3.9	Phase Imbalance	2 Degree (max.) (Port 2-> Port 3)
3.A	Max. VSWR	1.101 : 1

1.0	Mechanical Specifications	
1.1	Waveguide type	Rectangular Waveguide WR-51
1.2	Flange type	WR51 Cover
1.3	Flange Holes	Through
1.4	Basis-material	Aluminum Alloy
1.5	Inside Finish	Chromate
1.5	External Body Finish	Corrosion Protection plus Epoxy coat / Black thermal paint

2.0	Environment specifications	
2.1	Operation Temp.	-20°C~+75°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

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	RF-LAMBDA RFLV16
	CAD MODEL REVISION 19-CD
	ASSEMBLY REVISION VS52-D
	ASSEMBLY NAME RFLV16
www.rflambda.com	DRAWING NUMBER D034-1
	RF-LAMBDA
SIZE LT	SHEETS 1 OF 1