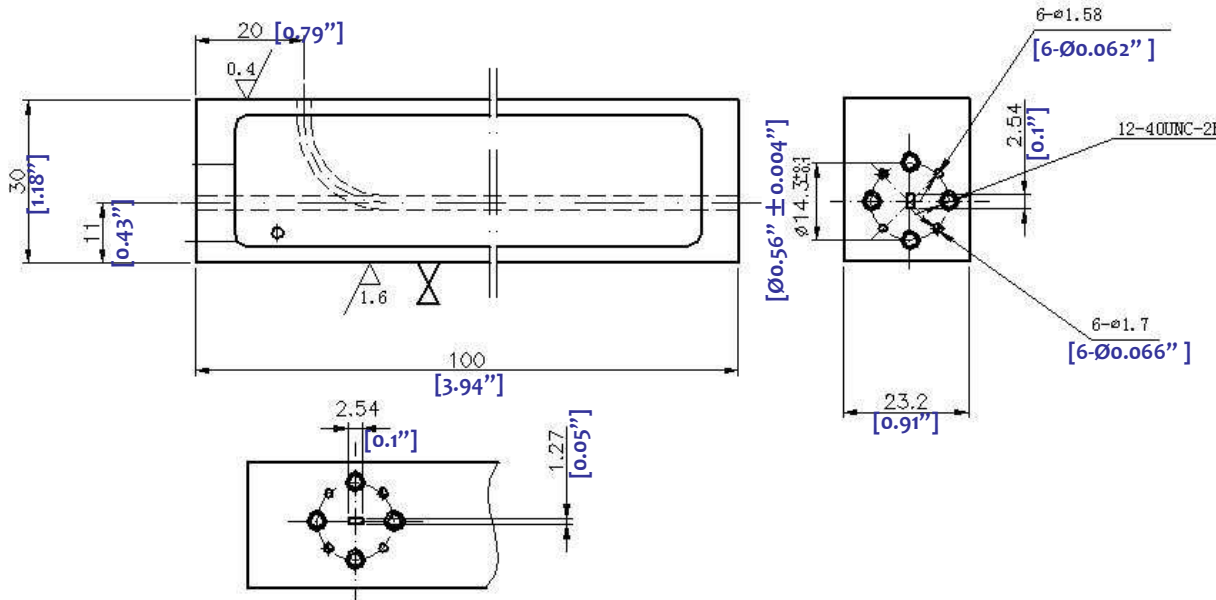


WAVEGUIDE WR10 DIRECTIONAL COUPLER – RWGCP10SX




1.0 Mechanical Specifications		
1.1	Waveguide type	Rectangular Waveguide WR10
1.2	Flange type	CPRG, CPRF, COVER, CHOKE available
1.3	Flange Holes	Through
1.4	Basis-material	Cuprum
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.	-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



Electrical Specifications							
Part Number	Frequency Range	VSWR	Coupling	Dimension (inch)			Direction
				A	B	C	
RWGCP10SA	73.8-112GHz	≤1.15	3 ± 1	1.30	0.71	5.51	A>25dB B>30dB C>35dB D>40dB
RWGCP10SB			6 ± 1.2	1.30	0.71	4.84	
RWGCP10SC			10 ± 1.5	1.30	0.71	4.29	
RWGCP10SD			20 ± 2	1.30	0.71	3.82	
RWGCP10SE			30 ± 3	1.30	0.71	3.54	

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 RWGCP10SX WAVEGUIDE COUPLER		DESIGN RFPC RF-LAMBDA RFPC CAD MODEL REVISION 0-4 ASSEMBLY REVISION VS2D5 ASSEMBLY NAME RFLVR011 DRAWING NUMBER D02-1
www.rflambda.com		
RF-LAMBDA	SIZE LT	SHEETS 1 OF 1