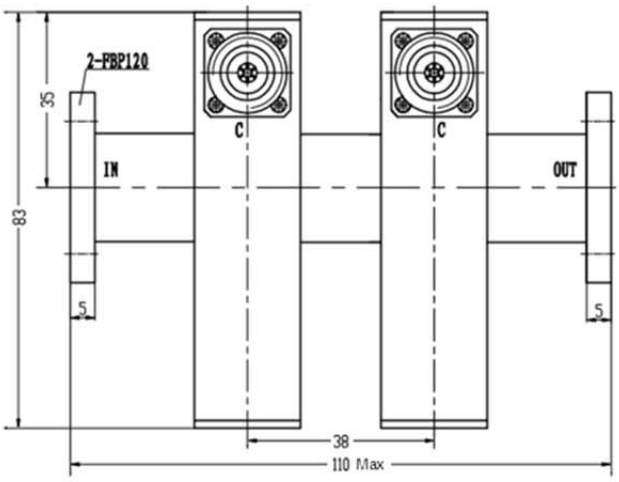
RADITEK INC.

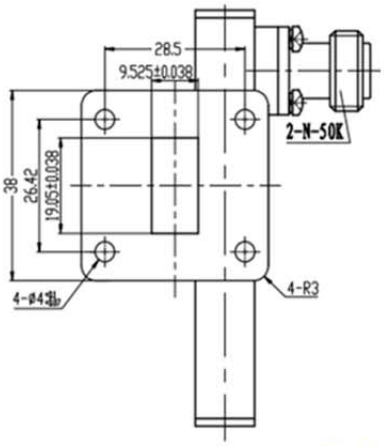
RoHS COMPLIANT

Code-a21

Dual Cross Guide Directional Coupler, 10.7-13.0 GHz

50 dB Coupling, WR75, FBP120 Flange, N Female





Units: mm
Not to scale

Order Examples: **RDXGCPL-10.7-13.0-50d-WR75-Nf-a21**
Description: *(Dual Cross Guide Directional Coupler, 10.7-13.0 GHz, 50 dB Coupling, WR75 Package, N Female Connectors)*

Electrical Specifications			**Units**
Frequency Range		**10.7-13.0**	**GHz**
VSWR	Main line	1.15 (Waveguide)	:1 ratio (Max)
	Secondary line	1.25 (Coax)	:1 ratio (Max)
Insertion Loss		0.3	dB max
Coupling	Forward 1	50 ±0.75	dB
	Reverse	40 ±0.75	dB
Directivity		15	dB
Power handling		1 (CW), 10 (Peak)	KW
		4% Duty Cycle, 1KHz PRF(minimum)	
Mechanical Specifications			
Waveguide type		WR75	
Flange Type		FBP120 (Cover)	
Connector Type		N Female	
Material		Copper	
Inside Finish		Silver Plating	
Outside Finish		Anticorrosion Black paint	
Temperature range		-30 ~ +50°C	°C
Humidity		95% RH at +40°C	%

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