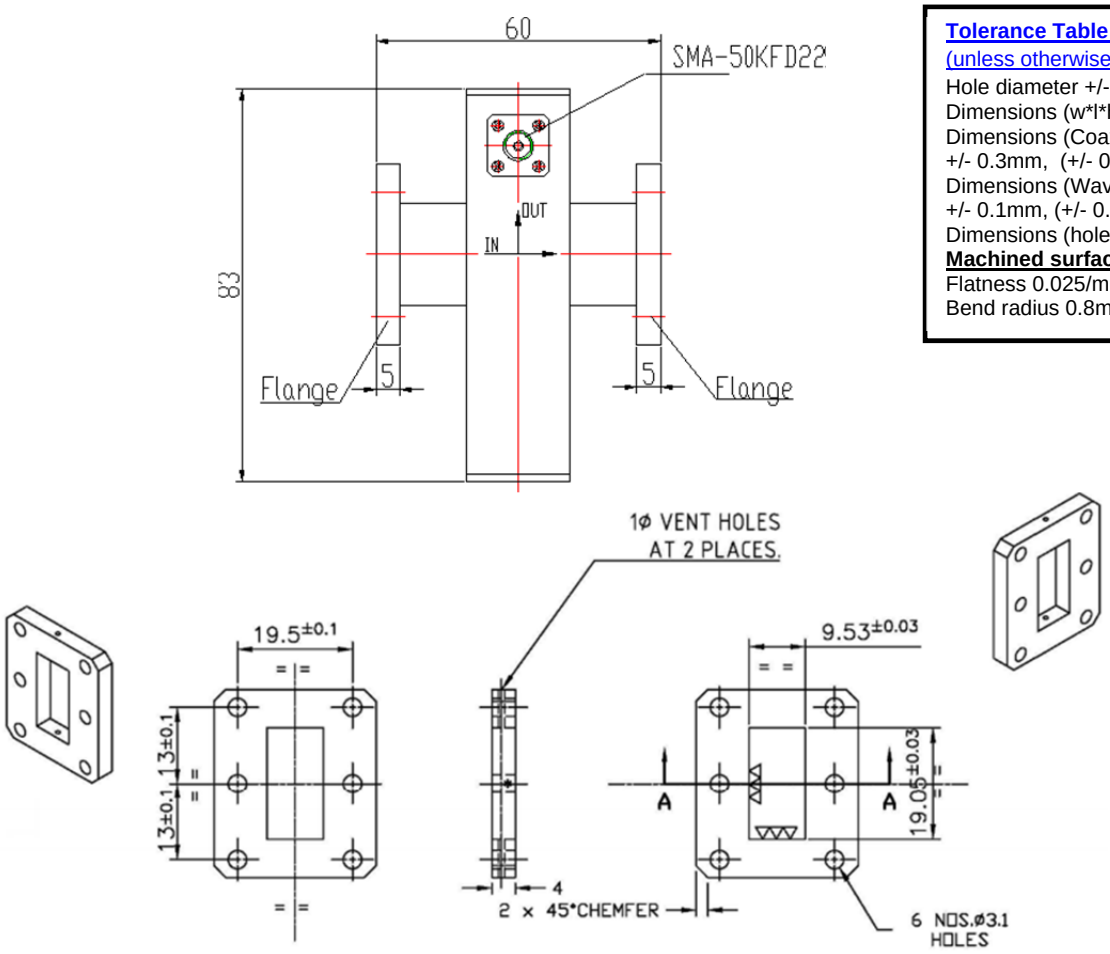
RADITEK INC.

RoHS COMPLIANT

Code-a21

Directional Coupler, Crossguide, 10.5-12.8GHz

20dB Coupling, WR75, Custom Flange, SMA Female, 500W CW



Tolerance Table Metric (inch)
(unless otherwise stated):
Hole diameter +/- 0.1mm, (+/- 0.004")
Dimensions (w*l*h) +/- 0.3 mm, (+/- 0.015")
Dimensions (Coax Connector position)
+/- 0.3mm, (+/- 0.012")
Dimensions (Waveguide Slot Position),
+/- 0.1mm, (+/- 0.04")
Dimensions (hole position) +/- 0.1mm, (+/- 0.04")
Machined surfaces
Flatness 0.025/mm, (0.001/ inch)
Bend radius 0.8mm, (0.031" or 1/32")

Units: mm
Not to scale

Order Examples: **RCPL-10.5-12.8-20d-WR75-Sf-500W CW-a21**
Description: *(Crossguide Directional Coupler, 10.5-12.8GHz, 20dB coupling, WR75 Package, Custom Flange, SMA Female Connectors, 500 Watts CW)*

Specifications	
Frequency Range	**10.5-12.8 GHz**
VSWR (Max)	1.10:1 (Waveguide), 1.25:1 (Coax)
Coupling	20 dB ± 1dB
Directivity (Min)	18 dB
Handling power in main line	500 W (CW)
Waveguide type	WR75
Flange Type	Custom Flange, 6 holes
Connector Type	SMA Female
Material	Copper/Brass
Inside Finish	Silver plating
Outside Finish	Anticorrosion black paint
Temperature range	-40°C ~ +70°C

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