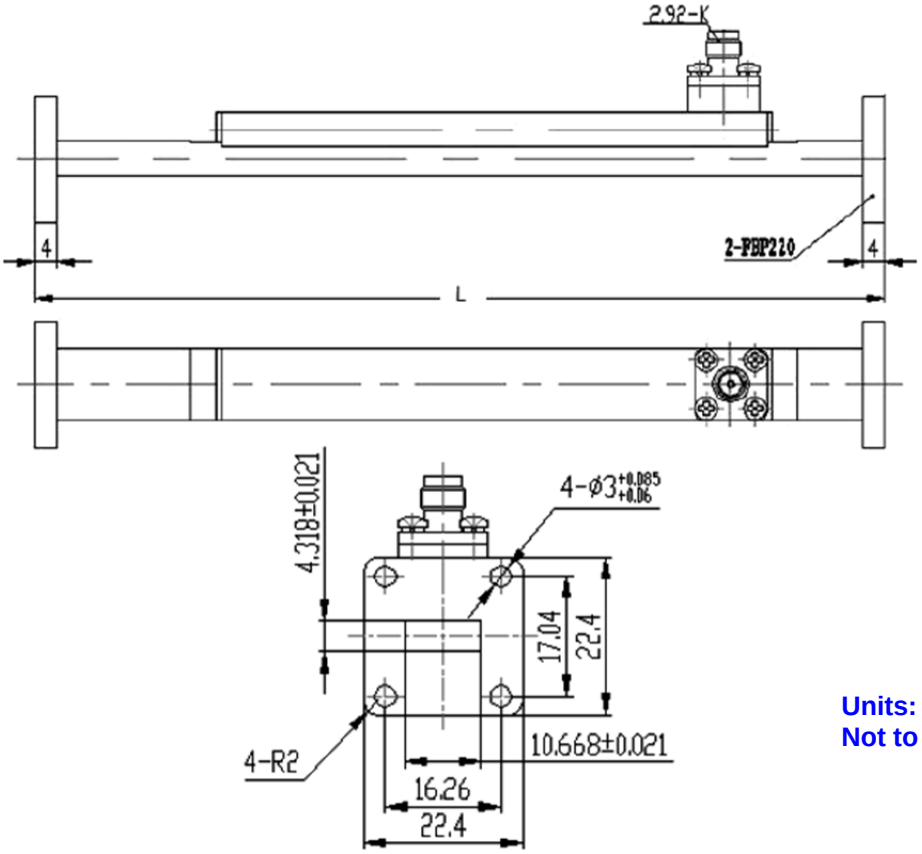
Directional Coupler, Broadwall, 18-26.5GHz, 20/30dB Coupling

WR42, FBP220 Flange, K Female Coupled Port Connector, 300Watts 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-18-26.5-20d-WR42-FBP220-Kf-300W-a21**
Description: *(Coupler, Broadwall Waveguide, 18-26.5GHz, 20dB Coupling, WR42, FBP220 flange, 2.92mm K-Female Coupled Port Connector, 300 Watts CW)*

Specifications		
Frequency Range	**18-26.5 GHz**	**18-26.5 GHz**
VSWR	1.15 (Main line), 1.50 (Secondary line)	1.15 (Main line), 1.50 (Secondary line)
Coupling	20 dB ±1 dB	30 dB ±1 dB
Coupled port connector	2.92mm k female	2.92mm k female
Material	Copper/Brass	Copper/Brass
Directivity	30 dB min.	30 dB min.
Power Handling (Avg)	300 Watts CW	300 Watts CW
Waveguide type	WR42	WR42
Flange Type	FBP220	FBP220
Inside Finish	Silver plating	Silver plating
Outside Finish	Anticorrosion black paint	Anticorrosion black paint
Length	L=215mm	L=185mm

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.
Tel: (408) 266-7404 FAX: (408) 266-4483
WEB: www.raditek.com E-mail: sales@raditek.com