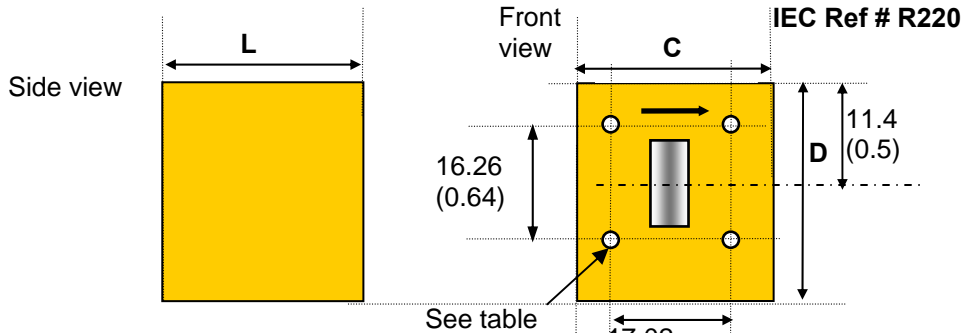
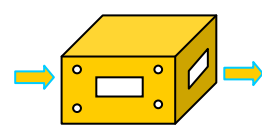


Waveguide Circulator, 18-26.5GHz, WR42, Full or Split Bands 10% Bandwidth, 1-2Watts Reverse Power

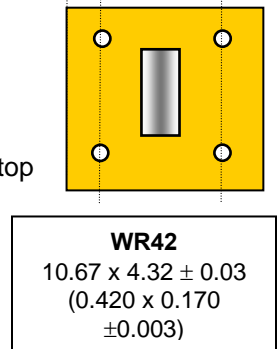


Tolerance Table Metric (inch) (unless otherwise stated):	
Hole diameter	+/- 0.1mm, (+/- 0.004")
Dimensions (w*h)	+/- 0.3 mm, (+/- 0.015")
Waveguide Slot Position	+/- 0.1mm, (+/- 0.04")
Dimensions (hole position)	+/- 0.1mm, (+/- 0.04")
Machined surfaces	
Flatness	0.025mm, (0.001/ inch)
Bend radius	0.8mm,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



	Size	-A opt.	-B opt.
height	L	25.4 (1.0)	22.2 (0.874)
width	C*	22.6 (0.890)	22.6 (0.89)
length	D	29.21 (1.15)	31.75 (1.25)

* + 0.2mm for labels



Hole Opt.	Mounting Holes
-1 default	12 x 4-40 UNC 4.8mm (0.19") deep
-2	Port 1-2 8x Thru hole 0.118" clearance Port 3: 4 x 4-40 UNC 4.8 (0.19) deep
-3	12 x M3 4.5mm (0.18") deep,

Direction of RF:	
R	Default →
L	←

Order Examples: **RADC-18-26.5-WR42-2WR-A-1-e**
C=CIRCULATOR

Specifications	10% Bandwidth	Full Band	Full Band	Full Band		Units
Frequency	20-26.5	18.0-26.0	18-26.5	18.5-26.5	24.25-27.5	GHz(full band)
Insertion loss	0.25	0.6 /0.4	0.5 /0.3	0.5/ 0.3	0.3/0.25	dB max/typ
Isolation	20	17	18	18	19 (20 typ)	dB min
VSWR	1.25:1	1.3:1	1.35:1	1.35:1	1.25:1	
Rated Power Forward	2	2	1or 2	1or 2	2W	Watt min
Rated Power Reverse	2	1or 2	1or 2	1or 2	2W	Watt min
Operating temperature	-30 to +70	-15 to 35	-30 to 65	-30 to 65	-30 to +70	°C
Storage temperature	-50 to 105		-50 to 105	-50 to 105	-50 to 105	°C
Altitude	to 15,000				to 15,000	feet
Humidity	to 95				to 95	%
		-e	-e	-e	-b	

Note Full band model uses special ferrite and requires extensive tuning; 10-15% bandwidth models are significantly cheaper

Waveguide Circulator, 18-26.5GHz, WR42, Full or Split Bands 10% Bandwidth, 1-2Watts Reverse Power

Specifications	Special	Standard	Special			Units
Frequency	20.5-22.5	24-26	24.5-26.5			GHz(full band)
Insertion loss	0.25	0.25	0.4			dB max/typ
Isolation	20	21	20			dB min
VSWR	1.25:1	1.20:1	1.22:1			
Rated Power Forward	2kW	1	2W			Watt min
Rated Power Reverse	2kW (5-10 ms)	1	2W			Watt min
		UG 595/U	UG 596			
Operating temperature	-30 to +70	-40 to +80	-40 to +80			°C
Storage temperature	-50 to 105	-50 to 105	-50 to 105			°C
Altitude	to 15,000		to 15,000			feet
Humidity	to 95		to 95			%
Shock			1G			max (sine)
Vibration			25G			Max as ETS-019-1-4
		-e				