



WR42 Flexible Twistable Waveguide 48 Inches

Model: ESAT-FW-42-48-N-03-04-R

Technical Data Sheet

Features

- WR42 (R220) operating frequency 10.0 - 15.0 GHz
- Flexible and twistable
- Flexible in both E and H plane
- Neoprene Rubber Jacket
- Brass Flanges
- Flange 1: Cover Flat - Square
- Flange 2: Cover Grooved - Square

Specifications

Frequency Operating	Insertion Loss Maximum dB/ft. (m)	VSWR		Power Rating Watts
		<36 in.	>36 in.	
18.00 - 26.50 GHz	0.38 (1.25)	1.20	1.25	100

Waveguide Size -----	WR42 (R220)
Design -----	Flexible and Twistable
Length -----	48 inches
Static Bending Radius Rating Minimum, E-Plane -----	1.2 inches
Static Bending Radius Rating Minimum, H-Plane -----	2.3 inches
Repeated Bending Radius Rating Minimum, E-Plane -----	4.7 inches
Repeated Bending Radius Rating Minimum, H-Plane -----	11 inches
Static Twisting Rating Maximum -----	160 +/- deg/ft
Repeated Twisting Rating Maximum -----	44 +/-deg/ft
Static Length Tolerance -----	0.13 (1%) +/- inches/foot
Static Internal Pressure Rating Maximum -----	45 psig

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REV. 2.0