



WR90 Flexible Twistable Waveguide 36 Inches

Model: ESAT-FW-90-36-N-03-04-R

Technical Data Sheet

Features

- WR90 (R100) Operating Frequency 8.20 - 12.40 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.	
8.20 - 12.40 GHz	0.09 (0.30)	1.09	1.12	700

Waveguide Size -----	WR90 (R100)
Design -----	Flexible and Twistable
Length -----	36 inches
Static Bending Radius Rating Minimum, E-Plane -----	2.5 inches
Static Bending Radius Rating Minimum, H-Plane -----	5.0 inches
Repeated Bending Radius Rating Minimum, E-Plane -----	10 inches
Repeated Bending Radius Rating Minimum, H-Plane -----	20 inches
Static Twisting Rating Maximum -----	96 +/- deg/ft
Repeated Twisting Rating Maximum -----	23 +/-deg/ft
Static Length Tolerance -----	0.13 (1%) +/- inches/foot (%)
Static Internal Pressure Rating Maximum -----	45 psig

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REV. 2.0