

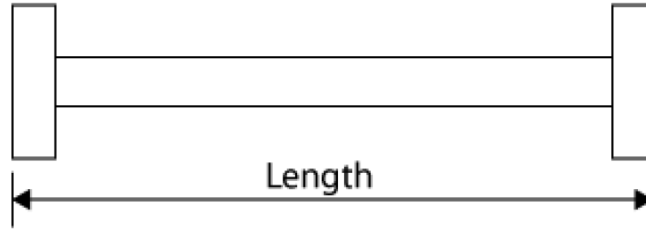


Model Number:
197115 & 197166

RF Components

X-Band Waveguide Flexible Twist

WG15 / R84 / WR112 (7.05 - 10.0 GHz)



Waveguide

Specification						
WGB-	197115			197166		
Waveguide Size	WG15 / R84 / WR112					
Frequency Range	7.05 - 10.0 GHz					
Core Material / Jacket Material	Silver Plated Brass / Silicone Rubber					
Flange Options (Abbreviations)	UG 52B/U (UG) / UG 51/U (UF) CPR 112G (CG) / CPR 112F (CF) PDR 84 (PD) / UDR 84 (UD) CBR 84 (CB) / PRB 84 (PB) / UBR 84 (UB)					
Flange Material/Finish	Brass / No Plating (standard)			Brass / Tin Plated		
Length	≤600mm	≤1000mm	≤2000mm	≤600mm	≤1000mm	≤2000mm
Insertion Loss (dB) (max)	0.18	0.3	0.6	0.18	0.3	0.6
Return Loss (dB) (min)	27.3	27.1	25.1	27.3	27.1	25.1
Min E-Plane Bend Radius (Static)	82 mm / 3.2 inches					
Min H-Plane Bend Radius (Static)	164 mm / 6.5 inches					
Maximum Twist (Static)	260 Deg/m or 79.2 Deg/ft					
Min E-Plane Bend Radius (Repeated)	328 mm / 12.9 inches					
Min H-Plane Bend Radius (Repeated)	656 mm / 25.8 inches					
Maximum Twist (Repeated)	68 Deg/m or 20.7 Deg/ft					
Peak Power	330 MW					
Average (CW) Power	1.5 kW					

Model Numbers					
Example: WGB-0500-197115-CGCF					
WG	B	0500	197115	CG	CF
Waveguide	B- Brass	Length (mm)	Model Number	Flange 1	Flange 2

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

