

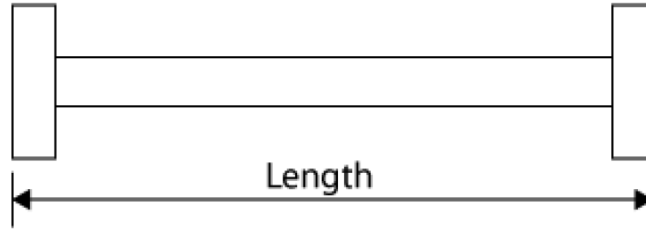


Model Number:
197105 / 197089

RF Components

C-Band Waveguide Flexible Twist

WG14 / WR137 / R70 (5.85 - 8.2 GHz)



Waveguide

Specification						
WGB-	197105			197089		
Waveguide Size	WG14 / WR137 / R70					
Frequency Range	5.85 - 8.20 GHz					
Core Material / Jacket Material	Silver Plated Brass / Silicone Rubber					
Flange Options (Abbreviations)	UG 343B/U (UG) / UG3 44/U (UF) CPR 137G (CG) / CPR 137F (CF) PDR 70 (PD) / UDR 70 (UD) UAR 70 (UA) / PAR 70 (PA)					
Flange Material/Finish	Brass / No Plating (standard)			Brass / Tin Plated		
	≤600mm	≤1000mm	≤2000mm	≤600mm	≤1000mm	≤2000mm
Insertion Loss (dB) (max)	0.168	0.28	0.56	0.168	0.28	0.56
Return Loss (dB) (min)	26.8	26.30	24.3	26.8	26.30	24.3
Min E-Plane Bend Radius (Static)	100 mm / 3.9 inches					
Min H-Plane Bend Radius (Static)	200 mm / 7.9 inches					
Maximum Twist (Static)	210 Deg/m or 64.0 Deg/ft					
Min E-Plane Bend Radius (Repeated)	400 mm / 15.7 inches					
Min H-Plane Bend Radius (Repeated)	800 mm / 31.5 inches					
Maximum Twist (Repeated)	52 Deg/m or 15.8 Deg/ft					
Peak Power	560 MW					
Average (CW) Power	2 kW					

Model Numbers					
Example: WGB-0500-197105-CGCF					
WG	B	0500	197105	CG	CF
Waveguide	B- Brass	Length (mm)	Model Number	Flange 1	Flange 2

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

