

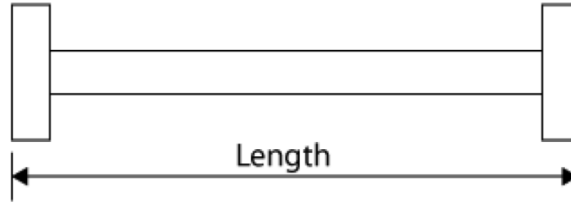


Model Number:  
**197103 / 197104**

RF Components

# C-Band Waveguide Flex Twist

## WG12 / WR187 / R48 (3.95 - 5.85 GHz)



# Waveguide

Specification						
WGB	197103			197104		
Waveguide Size	WG12 / WR187 / R48					
Frequency Range	3.95 - 5.85 GHz					
Core Material / Jacket Material	Silver Plated Brass / Silicone Rubber					
Flange Options (Abbreviations)	UG 148C/U (UG) / UG148C/U (UF) CPR 187G (CG) / CPR 187F (CF) PDR 48 (PD) / UDR 48 (UD) UAR 48 (UA) / PAR 48 (PA)					
Flange Material/Finish	Brass / No Plating (standard)			Brass / Tin Plated		
	≤600mm	≤1000mm	≤2000mm	≤600mm	≤1000mm	≤2000mm
Insertion Loss (dB) (max)	0.096	0.16	0.32	0.096	0.16	0.32
Return Loss (dB) (min)	27.8	27.3	25.3	27.8	27.3	25.3
Min E-Plane Bend Radius (Static)	136 mm / 5.4 inches					
Min H-Plane Bend Radius (Static)	272 mm / 10.7 inches					
Maximum Twist (Static)	155 Deg/m or 47.2 Deg/ft					
Min E-Plane Bend Radius (Repeated)	544 mm / 21.4 inches					
Min H-Plane Bend Radius (Repeated)	1088 mm / 42.8 inches					
Maximum Twist (Repeated)	40 Deg/m or 12.2 Deg/ft					
Peak Power	1.4 MW					
Average (CW) Power	3 kW					

Model Numbers					
Example: WGB-197103-0500-CGCF					
WG	B	197103	0500	CG	CF
Waveguide	B- Brass	Model Number	Length (mm)	Flange 1	Flange 2

### Broadcast



### Marine Oil & Gas



### SNG & VSAT



### Satellite Teleport

