

Flexible Waveguide, 26.5-40.0 GHz WR28 Package, Custom Length, Family

The principle applications are:

- An aid to positioning parabolic reflectors in line of sight microwave radio links.
- The elimination of installation difficulties caused by misalignment or system variations.
- To isolate vibration.
- To permit the relative movement of equipment due to thermal expansion.
- To accommodate moving equipment in radar scanners.



Order Examples: RFWG-26.5-40.0-WR28-20Cm-k23

Description: (Flexible Waveguide, 26.5-40.0GHz, WR28 Package, 20 Centimeter Length)

Optional: 5, 10 & 15cm

Electrical Specifications									
WG Designation			Frequency Range	Peak Power**	Average Power Limit**	Insertion loss dB	Return Loss dB*		
WG	WR	R	GHz	MW	kW	dB/m	300mm	600mm	1000mm
22	28	320	26.50-40.00	0.022	0.075	2.00	21.0	17.7	17.1

Notes:

- 1) *Return Loss performance is degraded if Choke Flanges are specified
- 2) **Power figures are for guidance only

Mechanical Specifications								
WG Designations			Minimum Centre Line Bending RADII				Max Twist Static	Max Twist Repeated
			Static E-Plane	Static H-Plane	Repeated E-Plane	Repeated H-Plane		
WG	WR	R	mm	mm	mm	mm	Deg/m	Deg/m
22	28	320	20	40	80	160	920	230

Notes:

- 1) Standard lengths are as follows: 100, 200, 300, 400, 500, 600, 900, 1000, 1200, 1500, 2000 mm.
- 2) Other lengths are available on request and may be subject to tooling and design charges.
- 3) Length tolerance = 1.5% or +/-2mm which ever is the greater