EUROSATCOM

WAVEGUIDE
LOADS / TERMINATIONS

QUASAR offers a wide range of waveguide terminations that will suit several applications. The load element is securely mounted in the waveguide, has minimal return loss and provides an efficient method of dispersing the heat generated by RF energy.

Low powered load elements for networks and general usage are made from a lossy iron-loaded
epoxy. Elements for the higher-powered systems are made from a silicon carbide material that can operate at higher temperatures.

Loads can be either full band or optimized over approximately 10% of the waveguide bandwidth for improved performance.

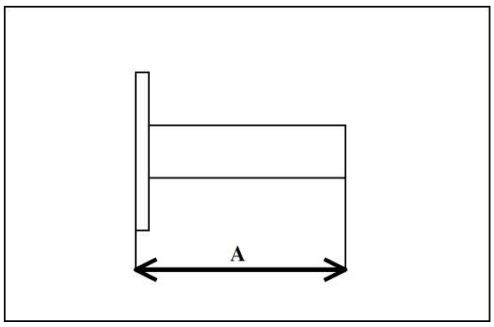
All loads are made to the highest standards and are finished in hard wearing black epoxy paint;
Other finishes such as powder coat and silver plated flanges are available to order.

Please refer to the datasheets in the Appendix for information on Flange types.

Low Power Short Waveguide Terminations

Manufactured to a minimal length, these loads provide a space-saving solution for network systems. Typically made to a maximum VSWR of 1.1

Can be manufactured from Copper/Brass or Aluminium/Aluminium.

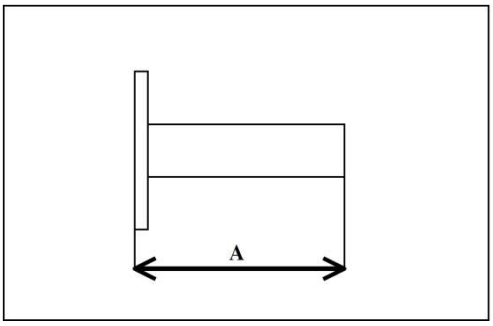


Model Number	WG Size	Frequency Range (GHz)	Dimension (mm) A	Max VSWR	Power Rating (W)
91-010	10	2.60 – 3.95	100	1.10	30
91-11A	11A	3.30 – 4.90	100	1.10	25
91-012	12	3.94 – 5.99	78	1.10	25
91-014	14	5.38 – 8.18	65	1.10	15
91-015	15	6.58 – 10.0	63	1.10	15
91-016	16	8.20 – 12.5	60	1.10	15
91-017	17	9.84 – 15.0	58	1.10	10
91-018	18	11.9 – 18.0	45	1.10	10
91-022	22	26.4 – 40.1	30	1.10	5

Note:
Please specify flange types when ordering, refer to the datasheets in the Appendix for more details
E.g. Copper WG10 with a brass CPR284-F flange would be 91-010-02-2

Medium Power Short Waveguide Terminations

Medium power terminations can be used in many applications as the silicone carbide element is mechanically secured to the waveguide wall and can withstand elevated temperatures.
Can be manufactured from Copper/Brass or Aluminium/Aluminium.

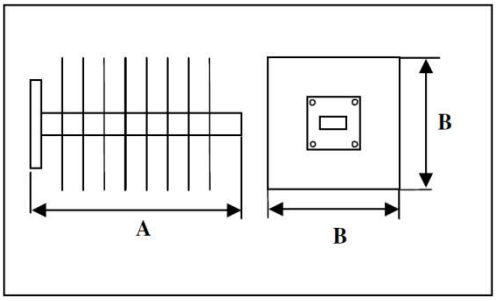


Model Number	WG Size	Frequency Range (GHz)	Dimension (mm) A	Max VSWR	Power Rating (W)
92-010	10	2.60 – 3.95	305	1.10	1200
92-11A	11A	3.30 – 4.90	255	1.10	1000
92-012	12	3.94 – 5.99	235	1.10	750
92-014	14	5.38 – 8.18	205	1.10	500
92-015	15	6.58 – 10.0	180	1.10	425
92-016	16	8.20 – 12.5	165	1.10	225
92-017	17	9.84 – 15.0	110	1.10	200
92-018	18	11.9 – 18.0	90	1.10	50
92-022	22	26.4 – 40.1	50	1.10	20

Note:
Please specify flange and material types when ordering, refer to the datasheets in the ppendix for more details.
E.g. Copper WG10 with a brass CPR284-F flange would be 92-010-02-2

High Power Waveguide Terminations

Higher power terminations can be used in many applications as the silicone carbide element is mechanically secured to the waveguide wall and **B** can withstand elevated temperatures. Cooling fins are mounted to effectively dissipate the absorbed R.F energy.
Can be manufactured from Copper/Brass or Aluminium/Aluminium.



Model Number	WG Size	Frequency Range (GHz)	Dimensions (mm)		Max VSWR	Power Rating (W)
			A	B		
93-010	10	2.60 – 3.95				
93-11A	11A	3.30 – 4.90				
93-012	12	3.94 – 5.99				
93-014	14	5.38 – 8.18	155	100	1.2	400
93-015	15	6.58 – 10.0	150	80	1.2	300
93-016	16	8.20 – 12.5				
93-017	17	9.84 – 15.0	220	100	1.2	400
93-018	18	11.9 – 18.0	90	100	1.2	100
93-022	22	26.4 – 40.1				

Note:
Please specify flange types and power when ordering, refer to the datasheets in the Appendix for more details.
E.g. Copper WG17 400W with a brass CPR284-F flange would be 93-017-02-2-400

EUROSATCOM
CENTRE VAL DE COURCELLES
4 ROUTE DE LA NOUE
91190 GIF SUR YVETTE, FRANCE
TEL. : +33 1 69 18 19 30
FAX : +33 1 69 18 19 39
WWW.EUROSATCOM.EU