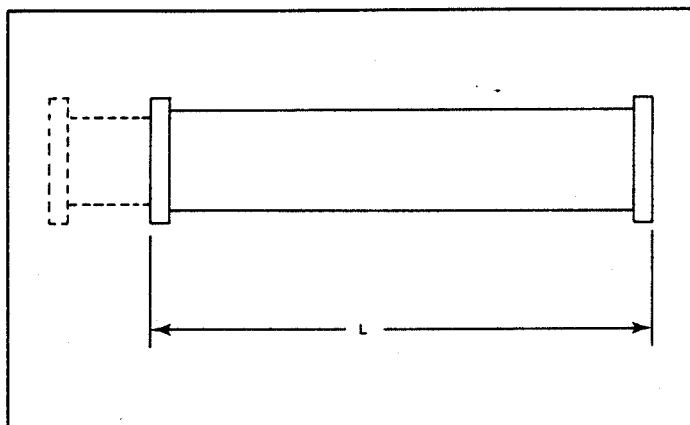


TERMINATION, PRECISION



A group of precision instruments developed for sophisticated standards laboratory applications. Extremely high return loss in excess of 15 DB above normal laboratory standards available to the industry today. These instruments satisfy the requirements for a nearly perfect termination .

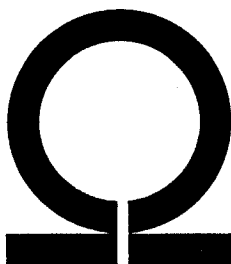
The waveguide case is constructed from heavy normalized aluminum jig plate to insure long term stability. Heavy stainless steel flanges with steel thread inserts are used to reduce wear on working surfaces. The waveguide dimensions and flange surfaces are machined to such a high degree of accuracy that a return loss for the waveguide section of 60 DB or more can be achieved.

The terminating elements are fabricated from a highly efficient material which greatly reduces their physical size. These special assemblies may be used as either fixed or sliding loads. When used in the sliding mode a travel in excess of one-quarter wavelength at the lowest operating frequency is available. The return loss of the elements is 55 DB minimum. Their power handling capability is in excess of 5 to 10 Watts C.W. depending on physical size.

Model	Waveguide EIA	Frequency Range (GHZ)	Flange	Insertion Length (in.)
673	WR-229	3.70-4.20	CMR-229	20.00
674	WR-187	3.70-4.20*	UG-149A/U	18.00
675	WR-159	5.90-6.50	CMR-159	13.00
676	WR-137	5.90-6.50	UG-344/U	12.00
678	WR-90	10.70-11.70	CMR-90	8.00

* At Slightly Reduced Return Loss

Other Waveguide Sizes Available on Factory Quotation



OMEGA LABORATORIES INC.