

EM Design Waterload

Model R112-9.3

Patent No. 11,259,638



Product Overview

This X Band load is useful for converting a circulator into an isolator. The broad band performance of the load is especially useful for magnetron applications because it absorbs the spurious signals, as well as the desired fundamental, with equal efficiency.

It is an extremely broadband load that covers the entire bandwidth of the WR112 waveguide.

Unit Specifications

Peak Power	1.0 MW	Frequency Band	9.3 (+/- 0.010) GHz
Average Power	1 KW (max)	VSWR	1.08 max
Flanges	CPR112F	Frequency Band	7.0 to 10 GHz
Water Flow	0.8GPM	VSWR	1.20 max
Water Temperature	30° C (Nominal)		
Gas Pressure	30 PSIG SF ₆ @ Peak Power		
Length	225 mm		
Material	Guide Body - Aluminum Water Manifold - Brass, Polypropylene		
Water Connection	Brass Elbows (90°), (Parker 45° Flare X-149F-4-4)		

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