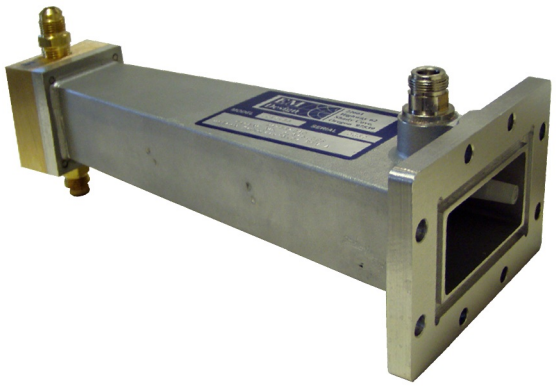
EM Design Waterload

Model V284-3.0

Patent No. 4,516,088



Product Overview

This has the Varian grooved flange and a -60 db E field probe. As in the R284, this high power load is very 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 waterload that covers almost the entire bandwidth of the WR284 waveguide.

Unit Specifications

Peak Power	30 MW	**Frequency Band**	2.75 to 4.0 GHz
Average Power	9 KW (max)	**VSWR**	1.10 max
Flanges	Varian Grooved		
Water Flow	4 GPM		
Water Temperature	40° C (Nominal)		
Gas Pressure	35 PSIG SF_6 @ Peak Power		
Length	292 mm		
Material	Guide Body - Aluminum Water Manifold - Brass, Polypropylene		
Water Connection	45° Flare, (Parker X48F-6-6)		
Coupling (Type N Female)	-60 db @ 3.0 GHz		

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