

**X-Band Waterload, Model #R112C-9.3****Product Overview**

This patented X-Band water 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**

<b>Peak Power</b>	2 MW	<b>Center Frequency</b>	9.3 GHz
<b>Average Power</b>	2 KW	<b>VSWR</b>	1.10 max
<b>Flanges</b>	UG138/U		
<b>Water Flow</b>	0.8 GPM	<b>Frequency Band</b>	7.05 to 10.0 GHz
<b>Water Temperature</b>	30° C (Nominal)	<b>VSWR</b>	1.20 max
<b>Gas Pressure</b>	35 PSIG SF <sub>6</sub> @ Peak Power		
<b>Length</b>	9.16" (229 mm)		
<b>Material</b>	Guide Body – Aluminum Water Manifold – Brass & Polypropylene		
<b>Water Connector</b>	Brass Elbows (90°) (Parker 45° Flare X-149F-4-4)		