

S-Band High Power Distributed 3-Port Circulator, Model #102885T**Product Overview**

This high power S-Band circulator is based on EM Design's unique patented concept. It is especially attractive for isolating reflection from resonant accelerators or other similar devices. This circulator is set for the 2.856 GHz frequency, but can be readily optimized for other frequencies, including 2.998 GHz. Typically, in isolator applications, a good high power load (such as our Model #RQ284-3.0) should be attached to receive the reflected power.

The circulator is broadband, yet has very good narrow band specifications. Our customers are pleased with the improved system performance achieved by this design.

Unit Specifications

Peak Power	8 MW	Center Frequency	2.856 GHz
Average Power	35 KW		
Flanges	CPR284F	VSWR (Port 1)	1.10 max
Water Flow	4 GPM		
Water Temperature	25° to 40° C (selectable)	Isolation (Port 2 to Port 1)	>35 db
Gas Pressure	35 PSIG SF ₆		
Length	29.3" (745 mm)	Insertion (Port 1 to Port 2)	<0.25 db