

### TECHNICAL FEATURE

### FEATURES

- Space Qualified
- 10.70 - 14.80 GHz

### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Frequency Sensitivity dB Max.	Coupling dB	Insertion Loss, dB Max.	Directivity dB Min.	VSWR Main Max.	VSWR Coupled Max.	CW Power Rating Main Line	Weight Max.
CSM-30-12.75G SQ	10.70 - 14.80	+ / - 0.75	30 +/- 1.2	0.50	15	1.22:1	1.30:1	10 Watts	25 g.

### TECHNICAL DESCRIPTION / APPLICATION

The CSM-30-12.75G SQ directional coupler covers 10.70 - 14.80 GHz with a stripline design. This offers low transmission loss and excellent VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices."

### PACKAGE OUTLINE

