

- SPACE QUALIFIED
- 2 - 18 GHz DIRECTIONAL COUPLER



**TECHNICAL DESCRIPTION / APPLICATION**

SERIES 05

The CWM-20M-10G SQ Directional Coupler covers 2 - 18 GHz with a stripline design. This offers low transmission and excellent VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

**GENERAL SPECIFICATIONS**

MODEL NUMBER	FREQUENCY RANGE	COUPLING dB	INSERTION LOSS dB MAX.	DIRECTIVITY		VSWR MAIN, MAX.
	GHz			dB MIN.		
CWM-20M-10G SQ	2 - 18	20.0 +/- 1.0	1.0	2 - 12.4 GHz	15.0	1.35:1
				12.4 - 18 GHz	12.0	
VSWR COUPLED, MAX.	FREQUENCY SENSITIVE dB		CW POWER RATING MAIN LINE		WEIGHT MAX.	
1.40:1	+/- 0.50 NOM., ± 0.80 MAX.		25 WATTS		1.70 oz.	

**PACKAGE OUTLINE**

