

DIRECTIONAL COUPLER - CTM-10-16G SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 13.0 - 19.0 GHz



PERFORMANCE

Frequency Range.....	13.0 - 19.0 GHz
Coupling	10 ± 1.0 dB
Insertion Loss	0.9 dB max.
Directivity	14 dB min.
VSWR.....	1.45:1 main max.
.....	1.45:1 coupled max.
Frequency Sensitivity	±1.0 dB max.
CW Power Rating Main Line.....	10 W
EMC Radiated Emissions.....	<-100 dBi
Operating Temperature Range	-55° to +85°C
Storage Temperature Range.....	-65°C to +125°C
Nominal Weight	1 oz.

DESCRIPTION

The CTM-10-16G SQ Directional Coupler covers 13 - 19 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", including: J-STD-001FS Requirements for Soldered Electrical and Electronic Assemblies, Space Applications Addendum; CSOP-05-E Design Control; CSOP-16-P Product Handling, Storage, Packaging, Preservation & Delivery.

PACKAGE OUTLINE

