

# 0° DIVIDERS/COMBINERS - PDM-21-10G SQ

## TECHNICAL FEATURE

### FEATURES

- Space Qualified
- 8.0 - 12.4 GHz
- 2 Way SMA



### PERFORMANCE

Frequency Range.....	8.0 - 12.4 GHz
Isolation.....	.20 min.
Insertion Loss.....	0.5 max. dB
Amplitude Balance.....	0.2 max. dB
VSWR Input/Output.....	1.3:1 in, 1.35:1 out
Phase Balance.....	±4°
CW Input with Load VSWR 1.2:1.....	2 W
Impedance.....	50 Ohm nom.
Operating Temperature.....	-55° to +85° C

### DESCRIPTION

The PDM-21-10G SQ In-Phase Power Divider/Combiner covers 8.0 - 12.4 GHz. It uses a conventional Wilkinson design which provides high isolation and low VSWR. This device has been designed in accordance with Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

### PACKAGE OUTLINE

