

# 0° DIVIDERS/COMBINERS - PDM-81-3.8G SQ

## TECHNICAL FEATURE

### FEATURES

- Space Qualified
- 3.3 - 4.3 GHz
- 8 Way SMA



### PERFORMANCE

Frequency Range.....	3.3 - 4.3 GHz
Isolation.....	20 min.
Insertion Loss.....	0.7 max. dB
Amplitude Balance.....	0.4 max. dB
VSWR Input/Output.....	1.25:1 max.
Phase Balance.....	±6°
CW Input with Load VSWR 1.2:1.....	2W
Impedance.....	50 Ohm nom.
Operating Temperature.....	-55° to +85° C

### DESCRIPTION

The PDM-81-3.8G SQ 8-way In-Phase Power Divider/Combiner covers 3.3 - 4.3 GHz. It uses a conventional Wilkinson design which provides high isolation and low VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

### PACKAGE OUTLINE

