

0° DIVIDERS/COMBINERS - PDG-02B-500 SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 20 - 1000 MHz
- 2 Way Surface Mount
- Hi-Rel Welded Construction to Pass IR Reflow



PERFORMANCE

Frequency Range.....	20 - 1000 MHz
Isolation.....	18 min., 22 typ. dB
Insertion Loss.....	1.0 max., 0.8 typ. dB
Amplitude Balance.....	0.3 max., 0.2 typ. dB
Phase Balance.....	3° max., 2° typ.
VSWR Input/Output.....	1.6:1 max., 1.4:1 typ.
Input Power.....	1 W max.
Coupling.....	3.0 dB nom.
Impedance.....	50 Ohm nom.
Internal Power Dissipation.....	50 mW max.
Operating Temperature.....	-55° to +85° C

DESCRIPTION

The PDG-02B-500 SQ surface mount 2 way power dividers/combiners, covers a frequency range of 20 to 1000 MHz using a special lumped element design to reduce the size while maintaining high performance. Unit consists of a welded construction. The surface mount housing has been designed for airborne and space applications where inherent package reliability and hermeticity are critical. Parts, materials and processes in accordance with Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

PACKAGE OUTLINE

