

# DIRECTIONAL COUPLER - CRF-10A-250 SQ

## TECHNICAL FEATURE

### FEATURES

- Space Qualified
- 5 - 500 MHz
- Forward and Reverse Coupling



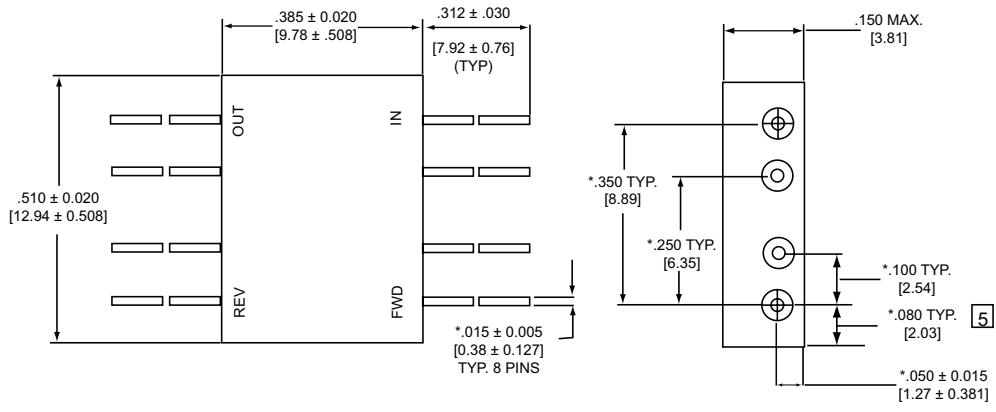
### PERFORMANCE

Frequency Range.....	5 - 500 MHz
Coupling .....	10 ± 1 dB
Insertion Loss .....	1.3 dB max.
Directivity .....	20 dB min.
VSWR.....	1.5:1 max., 1.3:1 typ.
Frequency Sensitivity .....	±0.5 dB max.
CW Power Rating Main Line.....	1 W max.

### DESCRIPTION

The CRF-10A-250 SQ Directional Coupler covers 5 - 500 MHz with a special lumped element design to reduce size, while maintaining high performance. Parts, materials and processes are in accordance with Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

## PACKAGE OUTLINE



- NOTES:
1. TOLERANCE ON 3 PLACE DECIMALS ± .010 [.25mm] EXCEPT AS NOTED.
  2. MAX. IS LARGEST DIMENSION ALLOWED.
  3. DIMENSIONS = INCHES [mm]
  4. METRIC EQUIVALENTS ARE TO THE NEAREST .01 mm.
  5. ALL LEADS TO BE WITHIN ±.010 [.25mm] OF EACH OTHER AT THIS DIMENSION.
  6. DIMENSIONS MARKED WITH \* APPLY ONLY AT BODY.
  7. ALL UNMARKED PINS ARE CASE GROUND.

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