

### TECHNICAL FEATURE

### FEATURES

- Space Qualified
- 117 - 127 MHz

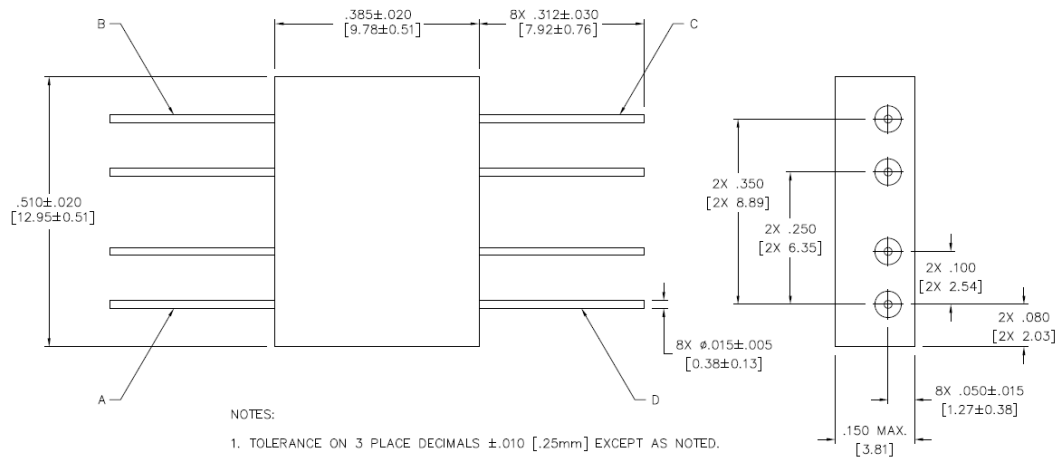
### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range MHz	Isolation dB Min.	Insertion Loss, dB Max.	Amplitude Balance dB Max.	VSWR Max.	Phase Balance dB Max.	CW Input Power	Weight Max.	Operating Temperature
QHF-2A-122 SQ	117 - 127	20	0.7	0.25	1.2:1	90° ± 2°	1 W	3 g.	-55° to +85° C

### GENERAL NOTES

The QHF-2A-122 SQ Quadrature Hybrid Power Divider/Combiner covers 117 - 127 MHz. With a special lumped element design to reduce size, while maintaining high performance. This unit has been designed, manufactured, and tested per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices."

### PACKAGE OUTLINE



**NOTES:**

1. TOLERANCE ON 3 PLACE DECIMALS  $\pm .010$  [.25mm] EXCEPT AS NOTED.
2. DIMENSIONS= INCHES [mm]
3. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
4. PIN DIMENSIONS APPLY ONLY AT BODY.
5. ALL UNMARKED PINS ARE CASE GROUND.
6. NOMINAL WEIGHT: 3 GRAMS.