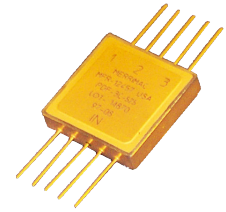


- SPACE QUALIFIED
- 2 - 200 MHz
- HIGH ISOLATION



TECHNICAL DESCRIPTION / APPLICATION

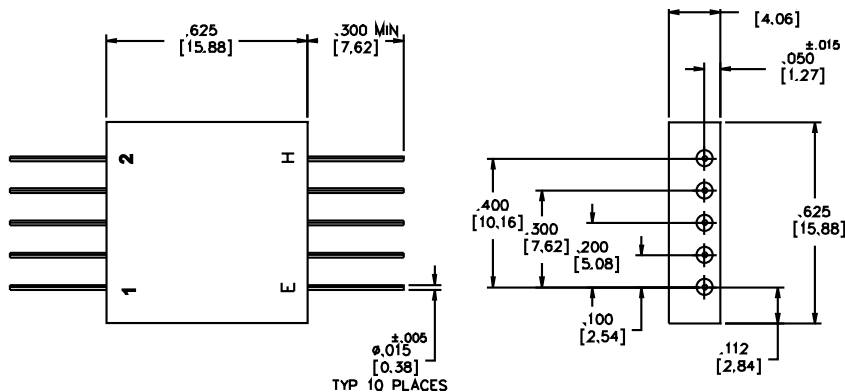
SERIES 03

The HJF-C-100 SQ Hybrid Junction covers 2 - 200 MHz using a special lumped element design to reduce the size while maintaining high performance. This device has been designed in accordance with Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

GENERAL SPECIFICATIONS

MODEL NUMBER	FREQUENCY RANGE MHz	ISOLATION E-H (dB)		INSERTION LOSS dB		AMPLITUDE BALANCE dB		PHASE BALANCE		VSWR INPUT/ OUTPUT	
		MIN.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.	MAX.	TYP.
HJF-C-100 SQ	2 - 200	25	30	1.0	0.7	0.3	0.2	±3°	±2°	1.5:1	1.2:1
INPUT POWER MAX	COUPLING NOM.	IMPEDANCE NOM.		WEIGHT MAX.		OPERATING TEMPERATURE					
1 W	3.0 dB	50 OHM		4.5 g		-55° to +85 ° C					

PACKAGE OUTLINE



NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS ±.020 (.51mm) EXCEPT AS NOTED.
2. DIMENSIONS = $\frac{\text{INCHES}}{[mm]}$
3. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
4. WEIGHT: 5.0 GRAMS MAX.
5. PINS NOT MARKED ARE GROUND.

LABEL	1	E	2	H
H	0°	ISO	0° REF	
E	180		0° REF	ISO