

TITLE: ENGINEERING CONTROL DRAWING.

PART IDENTIFIER: HML2F REV -

DESCRIPTION: HYBRID COUPLER ROHS COMPLIANT

ASSEMBLY DWG: HML2F

1.0 SPECIFICATIONS:

1.1 ELECTRICAL:

- 1.1.1 CHARACTERISTIC IMPEDANCE: 50 OHMS NOMINAL.
- 1.1.2 FREQUENCY: 2000 MHz TO 2300 MHz
- 1.1.3 INSERTION LOSS: 0.13 dB MAX
- 1.1.4 VSWR: 1.16:1 MAX
- 1.1.5 AMPLITUDE BALANCE: ±0.3 dB MAX
- 1.1.6 PHASE BALANCE: ±2°
- 1.1.7 ISOLATION: 23 dB MIN.
- 1.1.8 POWER RATING: 200 WATTS MINIMUM.
- 1.1.9 PHASE TABLE

PORTS	J1	J2	J3	J4
J1	-	ISO	-90°	0°
J2	ISO	-	0°	-90°
J3	-90°	0°	-	ISO
J4	0°	-90°	ISO	-

1.2 MECHANICAL:

- 1.2.1 OUTLINE DWG: SEE SHEET 2,
- 1.2.2 WORKMANSHIP: PER MIL-HDBK0454 GUIDLINE 9.

1.3 ENVIRONMENTAL:

- 1.3.1 OPERATING TEMPERATURE RANGE: -55°C TO +85°C.
- 1.3.2 NON-OPERATING TEMPERATURE RANGE: N/A

2.0 UNIT MARKING: HYBRIX AND HML2F.
LEGIBILITY AND PERMANENCY PER MIL-STD-130.

3.0 QUALITY ASSURANCE:

3.1 SAMPLE INSPECT PER MIL-STD-105, LEVEL II, 1.0% AQL.

- 3.1.1 VISUAL AND MECHANICAL EXAMINATION FOR CONFORMANCE TO OUTLINE DRAWING REQUIREMENTS.
- 3.1.2 MEASURE AMPLITUDE RESPONSE.
 - 3.1.2.1 ACCEPTANCE LIMITS: PER 1.1.4, 1.1.5 AND 1.1.7.

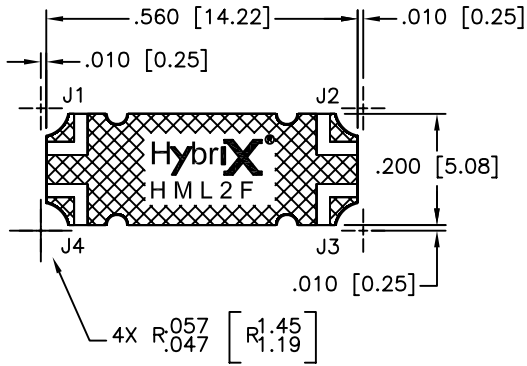
3.2 TEST DATA REQUIREMENTS:

- 3.2.1 NO TEST DATA REQUIRED FOR CUSTOMER.
- 3.2.2 DATA RETENTION - 12 MONTHS

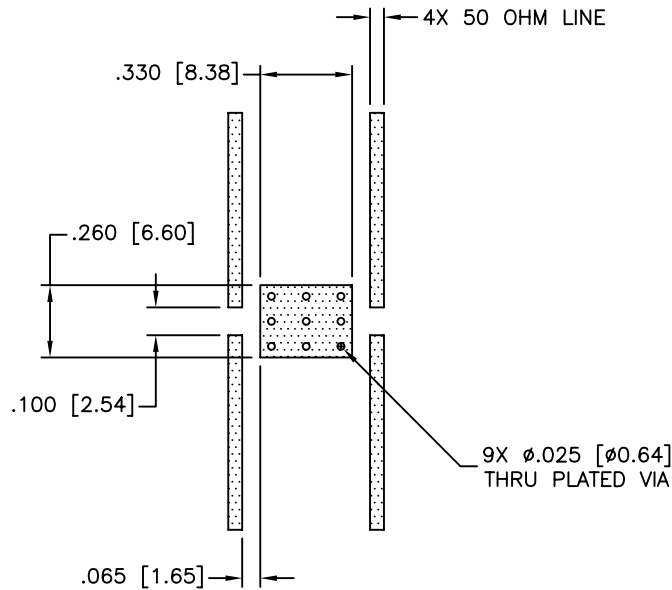
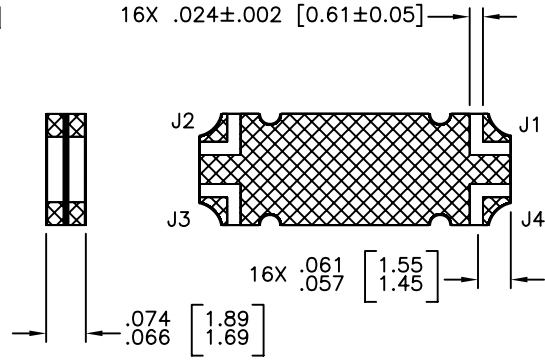
4.0 PACKAGING: PER MC0023, MARK CONTAINER(S) WITH THE FOLLOWING:
CUSTOMER P/N, REVISION LEVEL
VENDOR CODE (24602)
LOT AND DATE CODES.

FLORIDA RF LABS 8851 SW OLD KANSAS AVE. STUART, FL 34997	CAGE CODE # 2Y194		DWG #	HML2F
	CHANGE NOTICE	EN 08-F0200	REV LVL	-
			SHEET	1 OF 2


TOP SIDE



BOTTOM SIDE



SUGGESTED BOARD MOUNTING

 <p>8851 SW OLD KANSAS AVE STUART, FL 34997 PHONE NO. (772)286-9300 FAX NO. (772)283-5286</p>	<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES</p> <p>FRACT ±1/16 ANG ±5° XX ±0.01 XXX ±0.010 XXXX ±0.0005</p>	<p>THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF EMC TECHNOLOGY INC AND SHALL NOT BE DUPLICATED OR USED AS BASIS FOR THE MANUFACTURE OR SALE OF PARTS OR DEVICES WITHOUT PERMISSION.</p>				
	<p>CAGE CODE 2Y194</p>	<p>SCALE 5:1</p>	<p>DRAWN BY CRH 03/03/08</p>	<p>CHECKED BY</p>	<p>APPROVED BY</p>	
	<p>REV -</p>	<p>CHANGE NOTICE EN 08-F0200</p>		<p>DRAWING NO HML2F</p>	<p>SHEET 2 OF 2</p>	