

OTES:

1.0 ELECTRICAL SPECIFICATIONS:

- 1.1 FREQUENCY RANGE: 1.0 TO 2.0 GHz
- 1.2 AMPLITUDE BALANCE: ± 0.5
- 1.3 PHASE BALANCE: $\pm 10^\circ$ MAX
- 1.4 ISOLATION: 25dB MIN.
- 1.5 VSWR: 1.35:1
- 1.6 INSERTION LOSS: 0.5dB MAX.
- 1.7 INPUT POWER:
 - AVERAGE: 30 WATTS
 - PEAK: 3 KILOWATTS

2.0 WHEN POWER IS APPLIED TO THE SUM Σ (J1)

PORT, THE POWER IS DIVIDED EQUALLY BETWEEN THE 180° (J4) AND THE 0° (J2) PORTS AND THE SIGNALS AT THE OUTPUT PORTS J2 AND J4 ARE BOTH IN PHASE.

3.0 WHEN POWER IS APPLIED TO THE

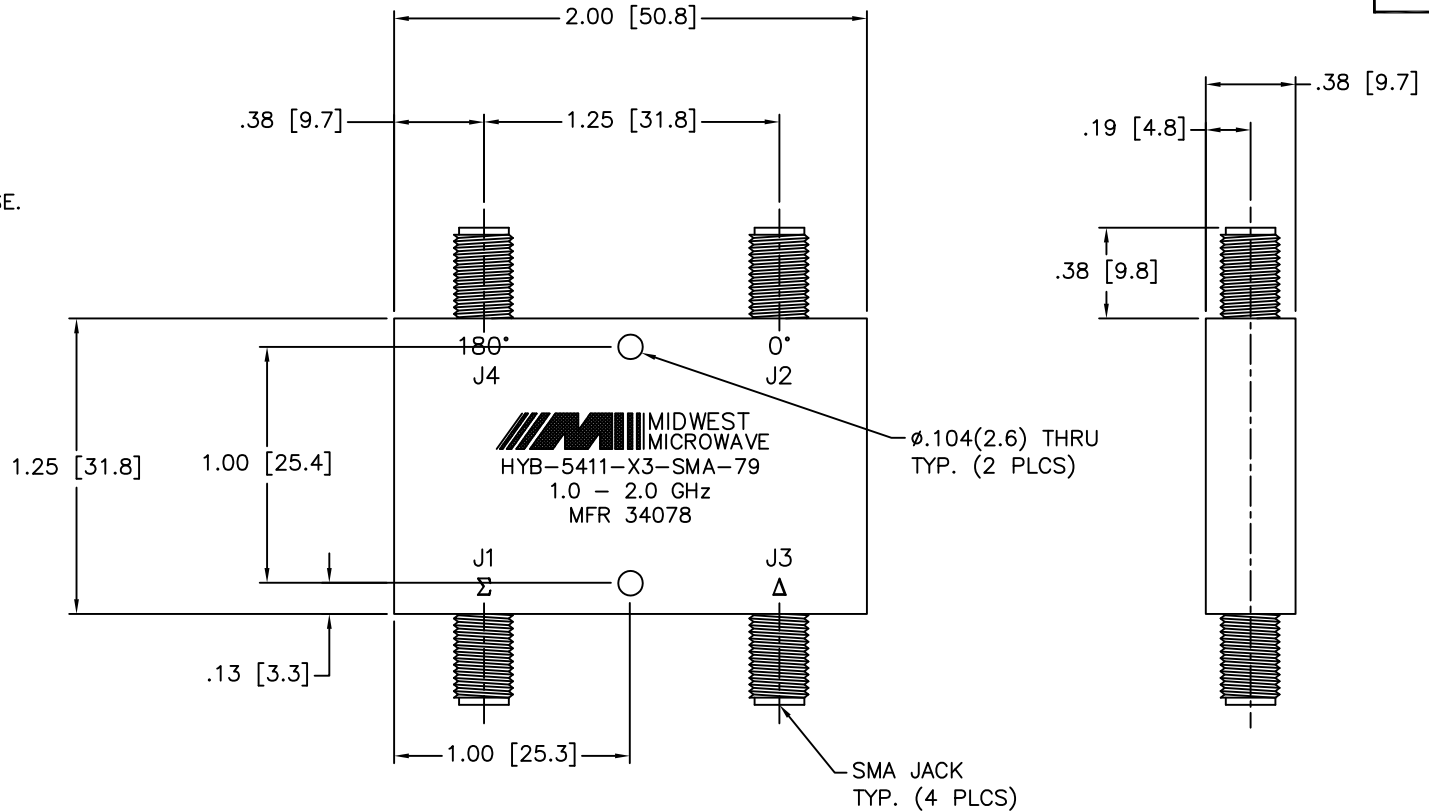
DIFFERENCE Δ (J3) PORT, THE POWER IS DIVIDED EQUALLY BETWEEN THE 180° (J4) AND THE 0° (J2) PORTS, AND THE SIGNALS AT THE OUTPUT PORTS J2 AND J4 ARE BOTH 180° OUT OF PHASE.

4.0 FINISHING:

GREY OVER MIL-E-15090 TYPE II,
CLASS 2 OVER MIL-C-5541 CLASS 3A
MEETS MIL-E-16400
MEETS MIL-E-5400

5.0 DIMENSIONS IN BRACKETS ARE IN MILLIMETERS.

6.0 MARKING: MARK UNIT AS SHOWN
(REF.: SLK-08034-82-01)



RELEASED	2/21/97	6/3/03	1/7/11
ECO 19252			
ECO 23033			

NOTICE: The information contained in this drawing is proprietary and must not be used without the permission of Emerson Network Power. UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 3 PLACE DECIMALS $\pm .005$ 2 PLACE DECIMALS $\pm .02$ FRACTIONS $\pm 1/64$ PARALLELITY: T.I.R. FLATNESS: T.I.R.	CAGE CODE 34078	MIDWEST MICROWAVE	
	EMERSON Network Power Connectivity Solutions		TITLE HYBRID COUPLER OUTLINE DRAWING
	DESIGNED BY J. VERNON 2/17/97	DESIGNED BY J. O'NEIL 2/20/97	DRAWING NUMBER HYB-5411-X3-SMA-79-01
			REV. G