

NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

1.1 FREQUENCY RANGE: 7.0 TO 12.4 GHz

1.2 BALANCE:

1.2.1 AMPLITUDE BALANCE: ± 0.5 dB MAX.

1.2.2 PHASE BALANCE: ± 6 DEGREES MAX.

1.3 ISOLATION: 17dB MIN.

1.4 VSWR: 1.45:1

1.5 INSERTION LOSS: 0.9dB MAX.

1.6 INPUT POWER:

AVERAGE: 30 WATTS

PEAK: 3 KILOWATTS

1.7 WEIGHT: 1.1 Oz (31 GRAMS)

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.

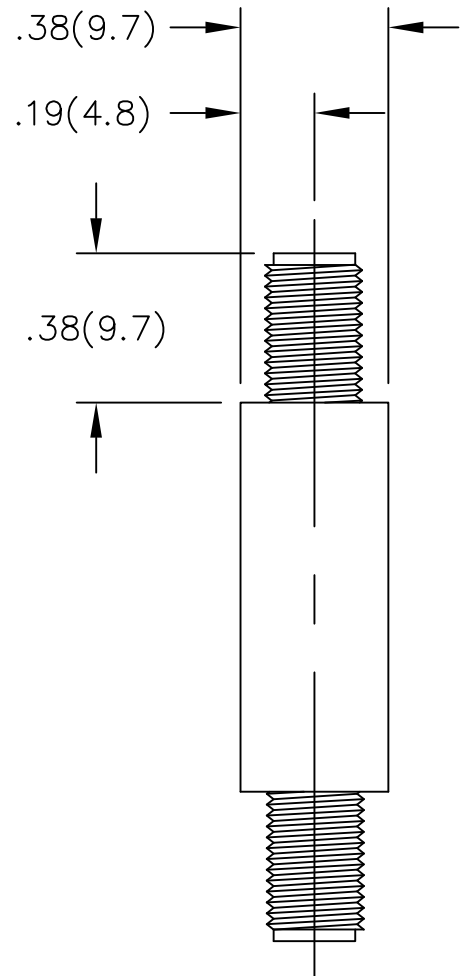
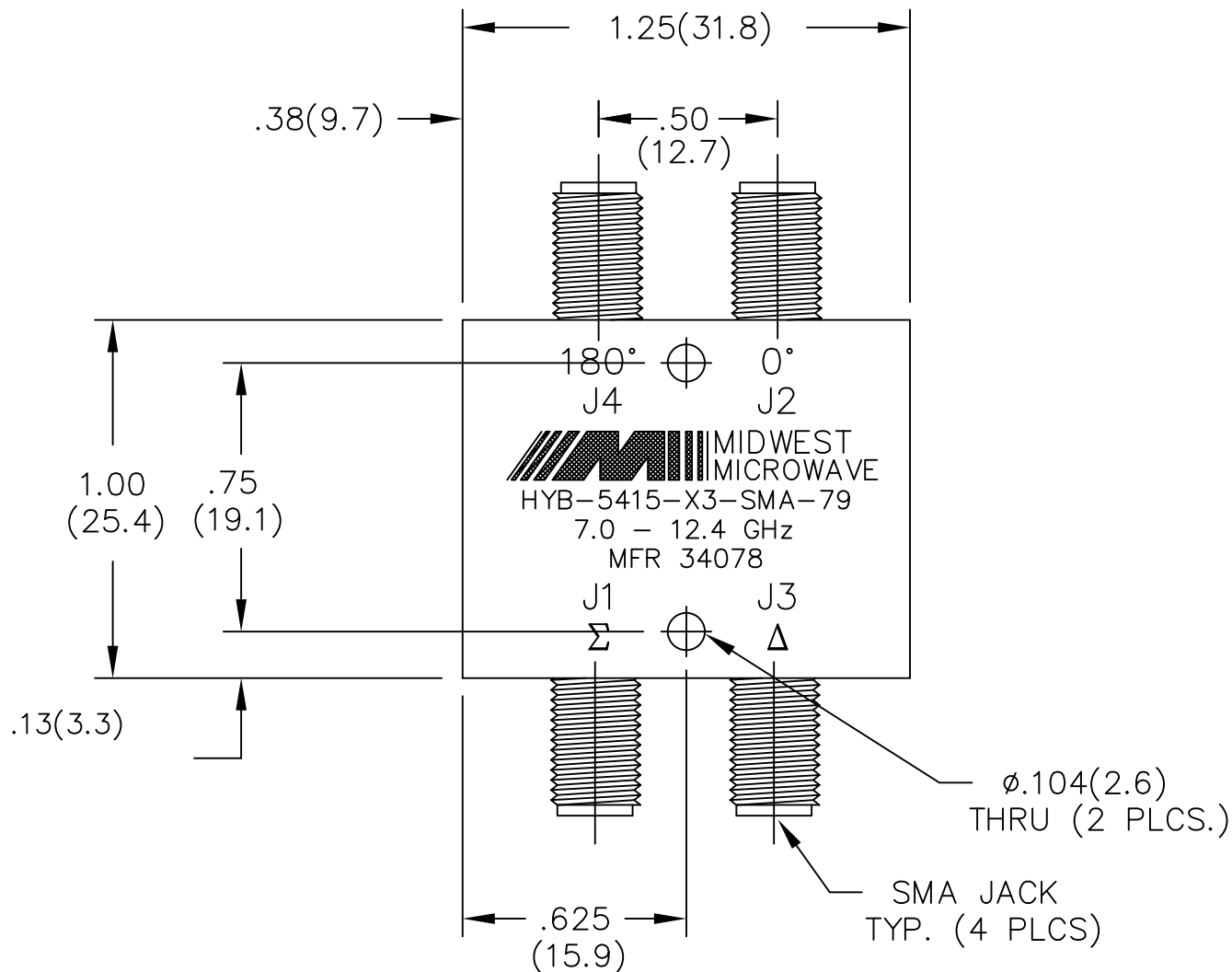
3.0 WHEN POWER IS APPLIED TO THE DIFFERENCE Δ (J3) PORT, THE POWER IS DIVIDED EQUALLY BETWEEN THE 180° (J4) AND THE 0° (J2) PORTS, AND THE SIGNALS AT THE OUTPUT PORTS J2 AND J4 ARE BOTH 180° OUT OF PHASE.

4.0 FINISHING:

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

5.0 DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS.

6.0 MARKING: MARK UNIT AS SHOWN



MODEL NUMBER
HYB-5415-X3-SMA-79

REV.	DESCRIPTION	DATE
-	RELEASED	3/25/02
A	ECN 19081	3/10/03
B	ECN 19641	2/24/04
H	ECO 23884	10/21/11

NOTICE: The information contained in this drawing is proprietary and must not be used without the permission of Emerson Network Power.		CAGE CODE 34078		MIDWEST MICROWAVE	
		EMERSON Network Power Connectivity Solutions		TITLE HYBRID COUPLER OUTLINE DRAWING	
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. _____ CONCENTRICITY: T.I.R. _____ ANGLES AND PERPENDICULARITY: $\pm 1^\circ$		DRAWN/DATE L.BROWN 9/16/97	ENG./DATE P.GOODMAN 3/22/02	DRAWING NUMBER HYB-5415-X3-SMA-79-01	REV. H
CHECKED/DATE		APPROVED/DATE		SCALE: 2=1	SHEET 1 of 1