

NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

- 1.1 FREQUENCY RANGE: 2.6 to 5.2 GHz
1.2 AMPLITUDE BALANCE: ± 0.5 dB
1.3 PHASE BALANCE: ± 8 DEGREES MAX.
1.4 ISOLATION: 20dB MIN.
1.5 VSWR: 1.35:1
1.6 INSERTION LOSS: 0.7dB MAX.
1.7 INPUT POWER:

AVERAGE: 30 WATTS

PEAK: 3 KILOWATTS

1.8 WEIGHT: 1.5 Oz (38 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.

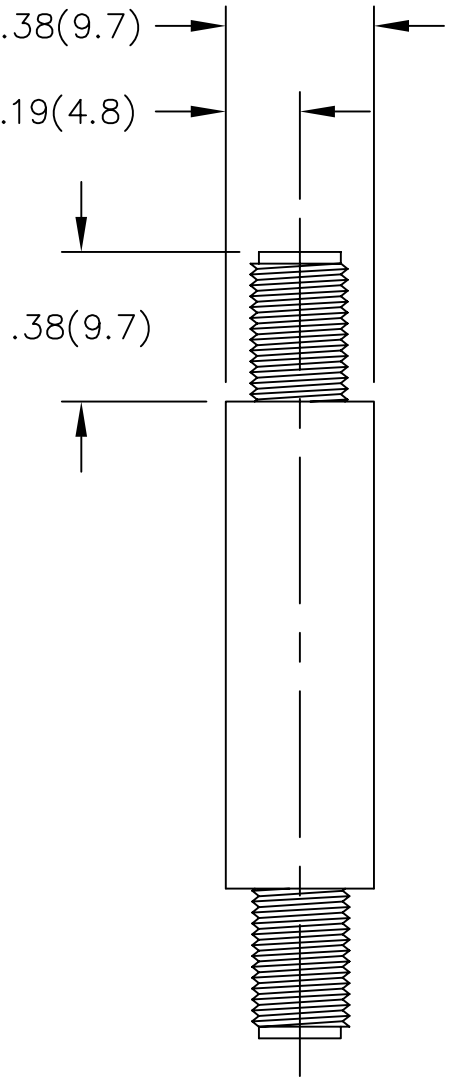
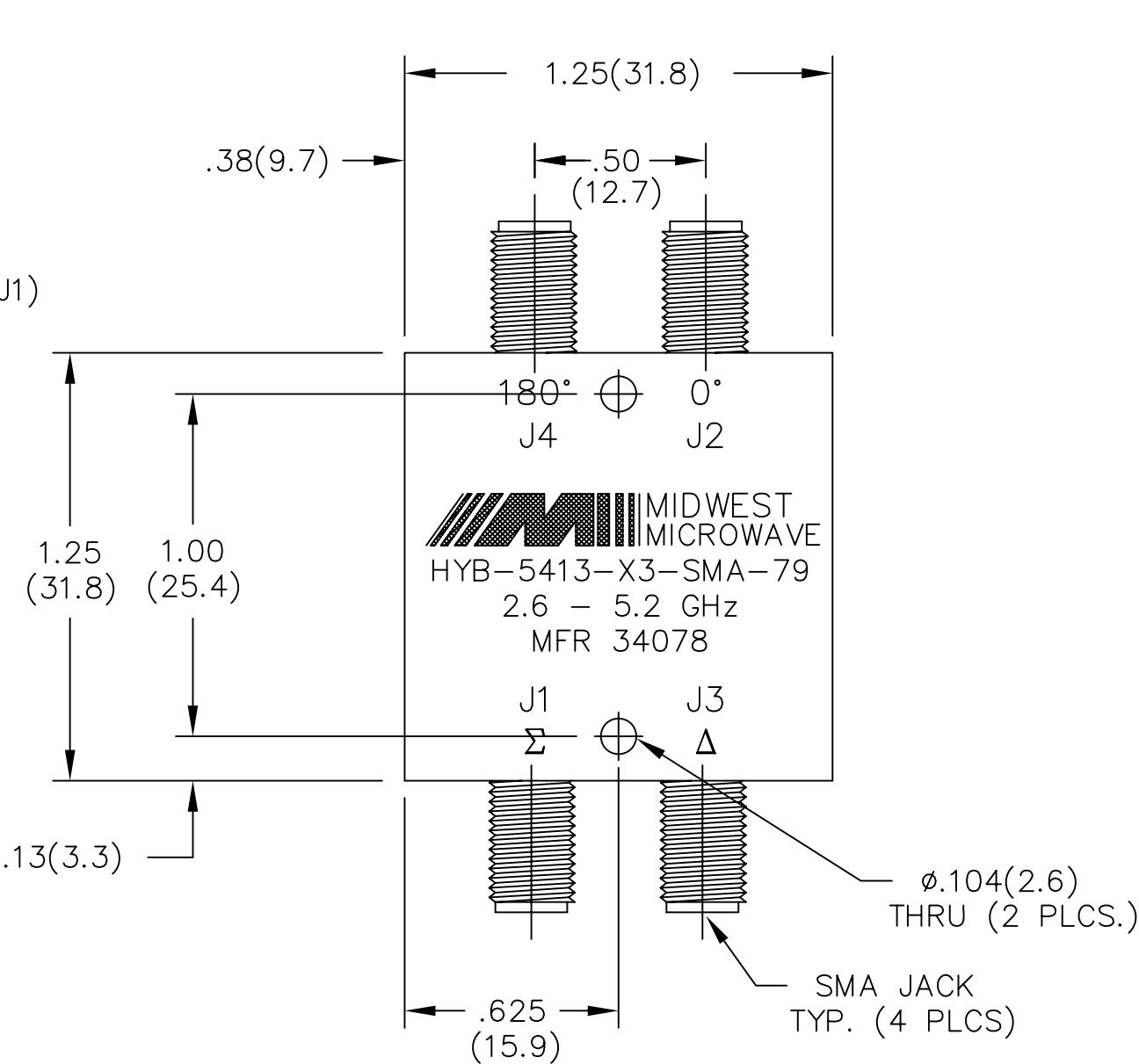
3.0 WHEN POWER IS APPLIED TO THE DIFFERENCE Δ (J3) PORT, THE POWER IS DIVIDED EQUALLY BETWEEN THE 180° (J4) AND THE 0° (J2) PORTS, AND THE SIGNALS AT THE OUTPUT PORTS J2 AND J4 ARE BOTH 180° OUT OF PHASE.

4.0 FINISHING:

GREY OVER MIL-E-15090 TYPE II,
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
(REF.: SLK-08923-82-02)



MODEL NUMBER	REV.
HYB-5413-X3-SMA-79	B

REV.	DESCRIPTION	DATE
-	RELEASED	2/8/02
A	ECN 18348	2/8/02
B	ECN 19245	6/2/03

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: $\pm 1^\circ$		FSCM NO. 34078	MIDWEST MICROWAVE	
		NOTICE: The information contained in this drawing is proprietary and must not be used without the permission of Midwest Microwave		TITLE HYBRID COUPLER
DRAWN/DATE L.BROWN 9/16/97		ENG./DATE P.GOODMAN 2/8/02		DRAWING NUMBER HYB-5413-X3-SMA-79
CHECKED/DATE		APPROVED/DATE		SCALE: 2=1 SHEET 1 of 1