

NOTES:

- 1.0 ELECTRICAL SPECIFICATIONS:

1.1 FREQUENCY RANGE: 4.0 to 8.0 GHz

1.2 BALANCE:

1.2.1 AMPLITUDE BALANCE: ±0.5dB MAX.

1.2.2 PHASE BALANCE: ±8° MAX.

1.3 ISOLATION: 20dB MIN.

1.4 VSWR: 1.35:1 MAX.

1.5 INSERTION LOSS: 0.7dB MAX.

1.6 INPUT POWER:

AVERAGE: 30 WATTS

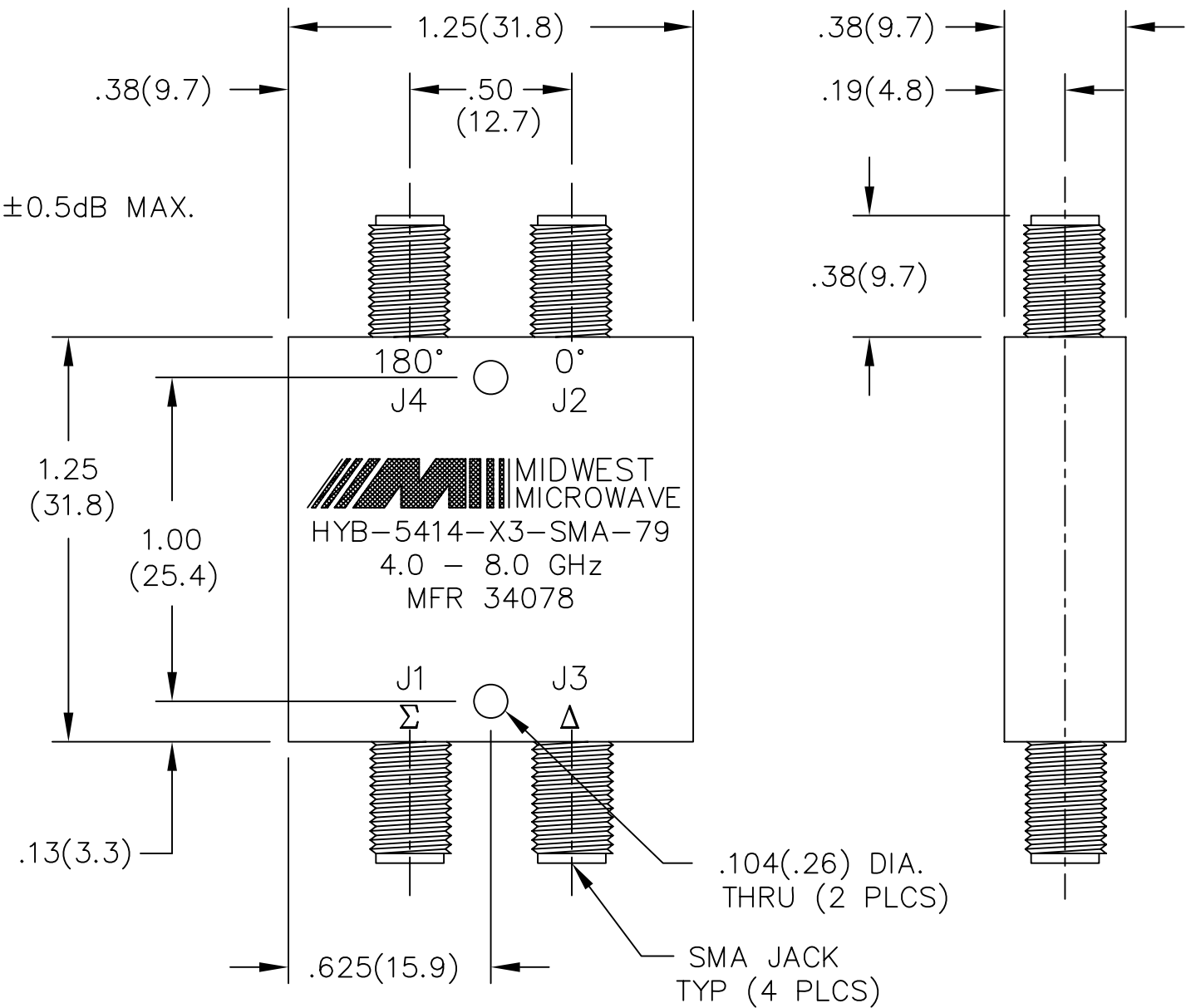
PEAK: 3 KILOWATTS
- 2.0 WHEN POWER IS APPLIED TO THE SUM Σ(J1) PORT, THE POWER IS DIVIDED EQUALLY BETWEEN THE 180° (J4) AND THE 0°(J2) PORTS AND THE SIGNALS AT THE OUTPUT PORTS J2 AND J4 ARE BOTH IN PHASE.
- 3.0 WHEN POWER IS APPLIED TO THE DIFFERENCE Δ(J3) PORT, THE POWER IS DIVIDED EQUALLY BETWEEN 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-F-14072

MEETS MIL-E-5400
- 5.0 DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS,
- 6.0 MARKING: MARK UNIT AS SHOWN
(REF.: SLK-08923-82-01)



MODEL NUMBER	REV.
HYB-5414-X3-SMA-79	B

REV.	DESCRIPTION	DATE
-	RELEASED	1/30/95
A	ECN 18349	2/8/02
B	ECN 19454	10/30/03

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 3 PLACE DECIMALS ±.005 2 PLACE DECIMALS ±.02 FRACTIONS ±1/64 PARALLELITY: T.I.R. _____ FLATNESS: T.I.R. _____ CONCENTRICITY: T.I.R. _____ ANGLES AND PERPENDICULARITY: ±1°	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 A.BEATTY 1/30/95		ENG./DATE J.O.NEIL 1/30/95	
CHECKED/DATE		APPROVED/DATE		
		SCALE: 2=1		SHEET 1 of 1