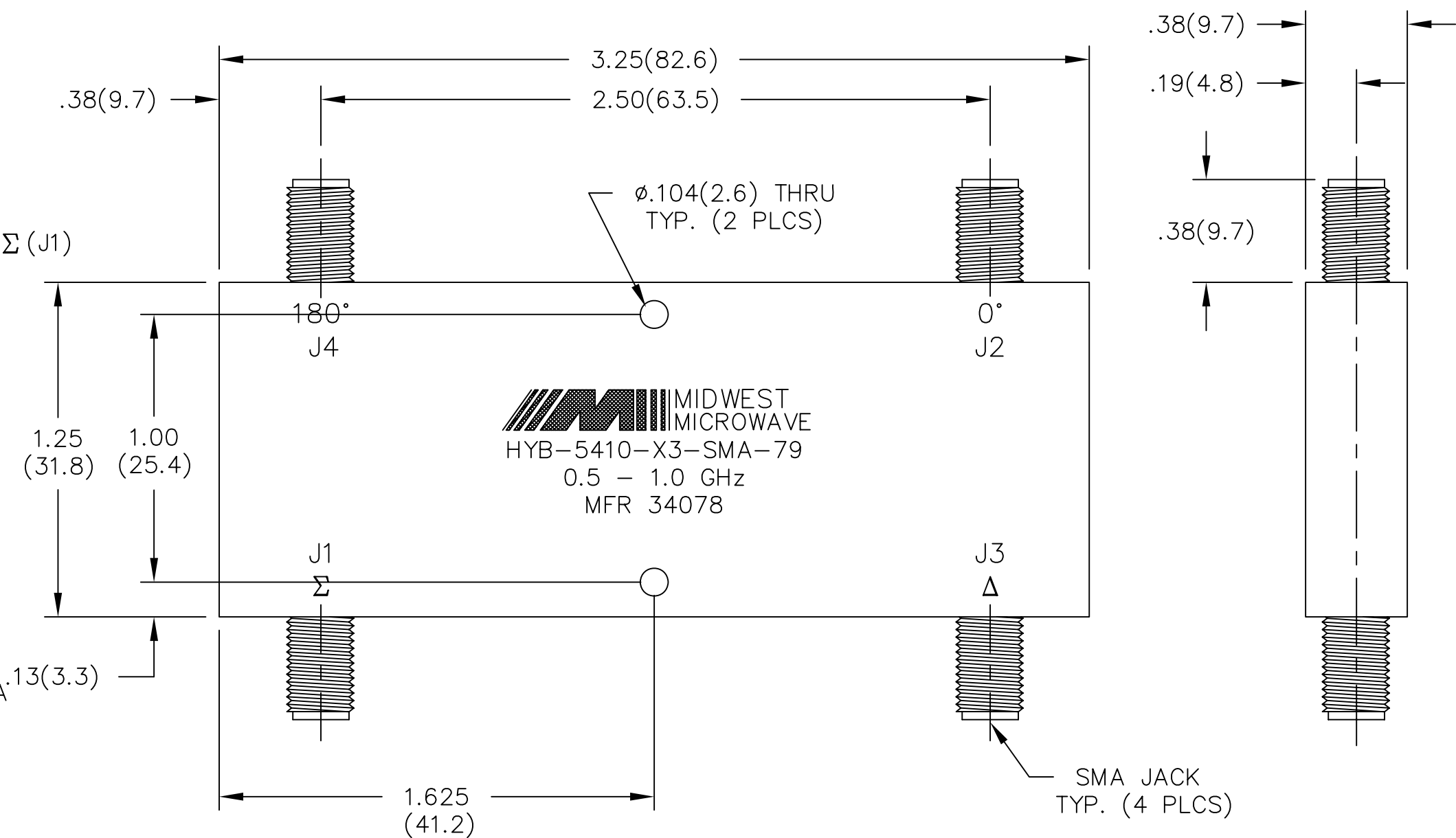


- NOTES:
- 1.0 ELECTRICAL SPECIFICATIONS:
- 1.1 FREQUENCY RANGE: 0.5 to 1.0 GHz
- 1.2 AMPLITUDE BALANCE: ± 0.5
- 1.3 PHASE BALANCE: $\pm 10^\circ$ MAX.
- 1.4 ISOLATION: 25dB MIN.
- 1.5 VSWR: 1.30:1
- 1.6 INSERTION LOSS: 0.4dB MAX.
- 1.7 INPUT POWER:
- AVERAGE: 30 WATTS
- PEAK: 3 KILOWATTS
- 2.0 WHEN 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 PARENTHESIS ARE IN MILLIMETERS.
- 6.0 MARKING: MARK UNIT AS SHOWN.
- (REF.: SLK-08033-82-01)



MODEL NUMBER	REV.
HYB-5410-X3-SMA-79	A

REV.	DESCRIPTION	DATE
-	RELEASED	2/21/97
A	ECN 19251	6/3/03

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:	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	
3 PLACE DECIMALS ±.005	DRAWN/DATE		ENG./DATE		DRAWING NUMBER HYB-5410-X3-SMA-79	
2 PLACE DECIMALS ±.02	J. VERNON		J. O'NEIL			
FRACTIONS ±1/64	2/10/97		2/20/97			
PARALLELITY: T.I.R. _____	CHECKED/DATE		APPROVED/DATE		SCALE: 2=1	
FLATNESS: T.I.R. _____					SHEET 1 of 1	
CONCENTRICITY: T.I.R. _____						
ANGLES AND PERPENDICULARITY: ±1°						