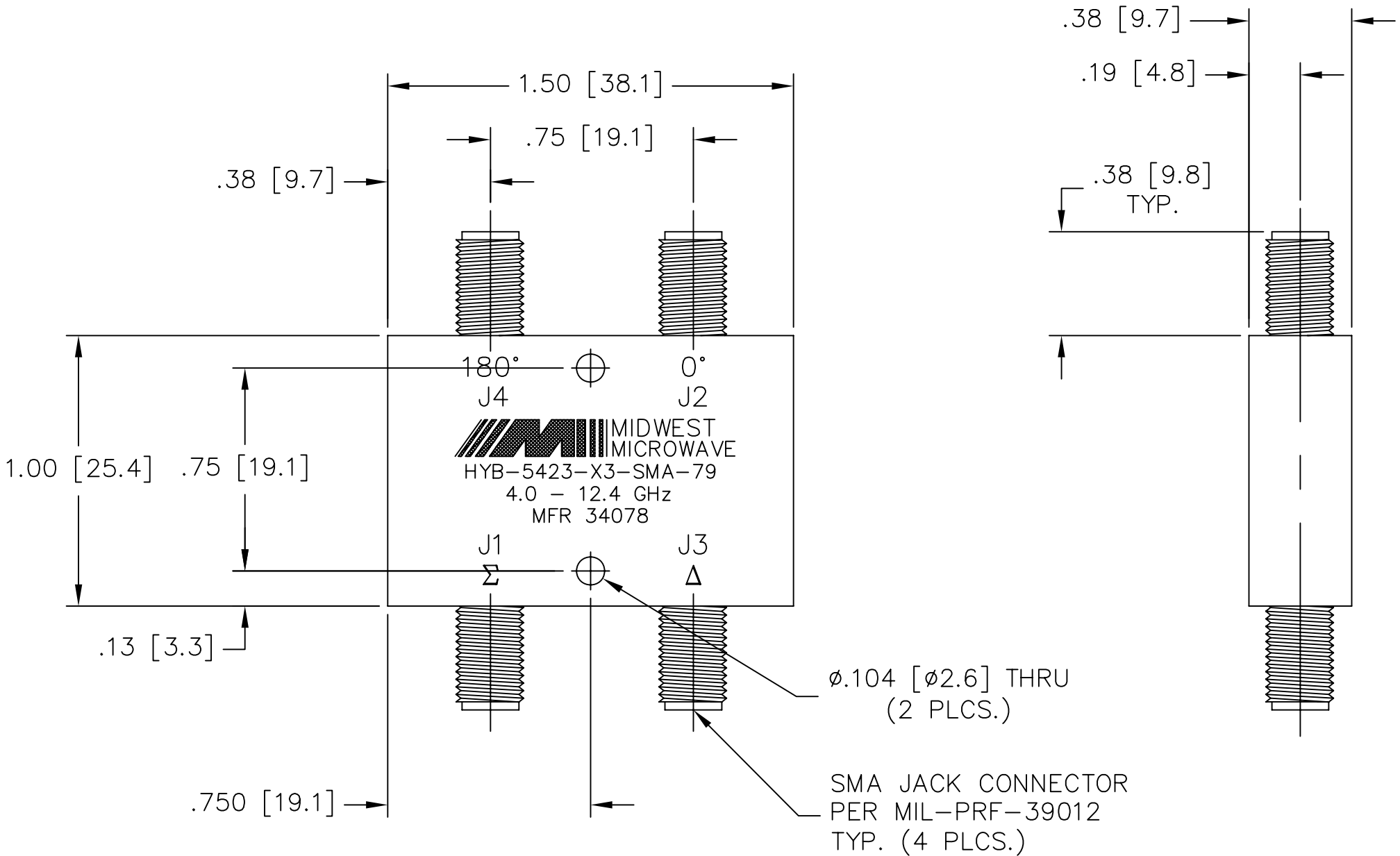


- NOTES:
- 1.0 ELECTRICAL SPECIFICATIONS:
 - 1.1 FREQUENCY RANGE: 4.0 to 12.4 GHz
 - 1.2 BALANCE:
 - 1.2.1 AMPLITUDE BALANCE: $\pm 0.6\text{dB}$ MAX.
 - 1.2.2 PHASE BALANCE: ± 6 DEGREES MAX.
 - 1.3 ISOLATION: 17dB MIN.
 - 1.4 VSWR: 1.50:1
 - 1.5 INSERTION LOSS: 1.0dB MAX.
 - 1.6 INPUT POWER:

AVERAGE: 30 WATTS
PEAK: 3 KILOWATTS
 - 1.7 WEIGHT: 1.2 Oz (34 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-08058-82-01)



DATE	11/7/03
DESCRIPTION	RELEASED
REV.	-

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 S.ORLOV 11/6/03	ENG./DATE J.O'NEIL 11/6/03	DRAWING NUMBER HYB-5423-X3-SMA-79	
	CHECKED/DATE	APPROVED/DATE	SCALE: 2=1	SHEET 1 of 1