

1.0 ELECTRICAL SPECIFICATIONS:

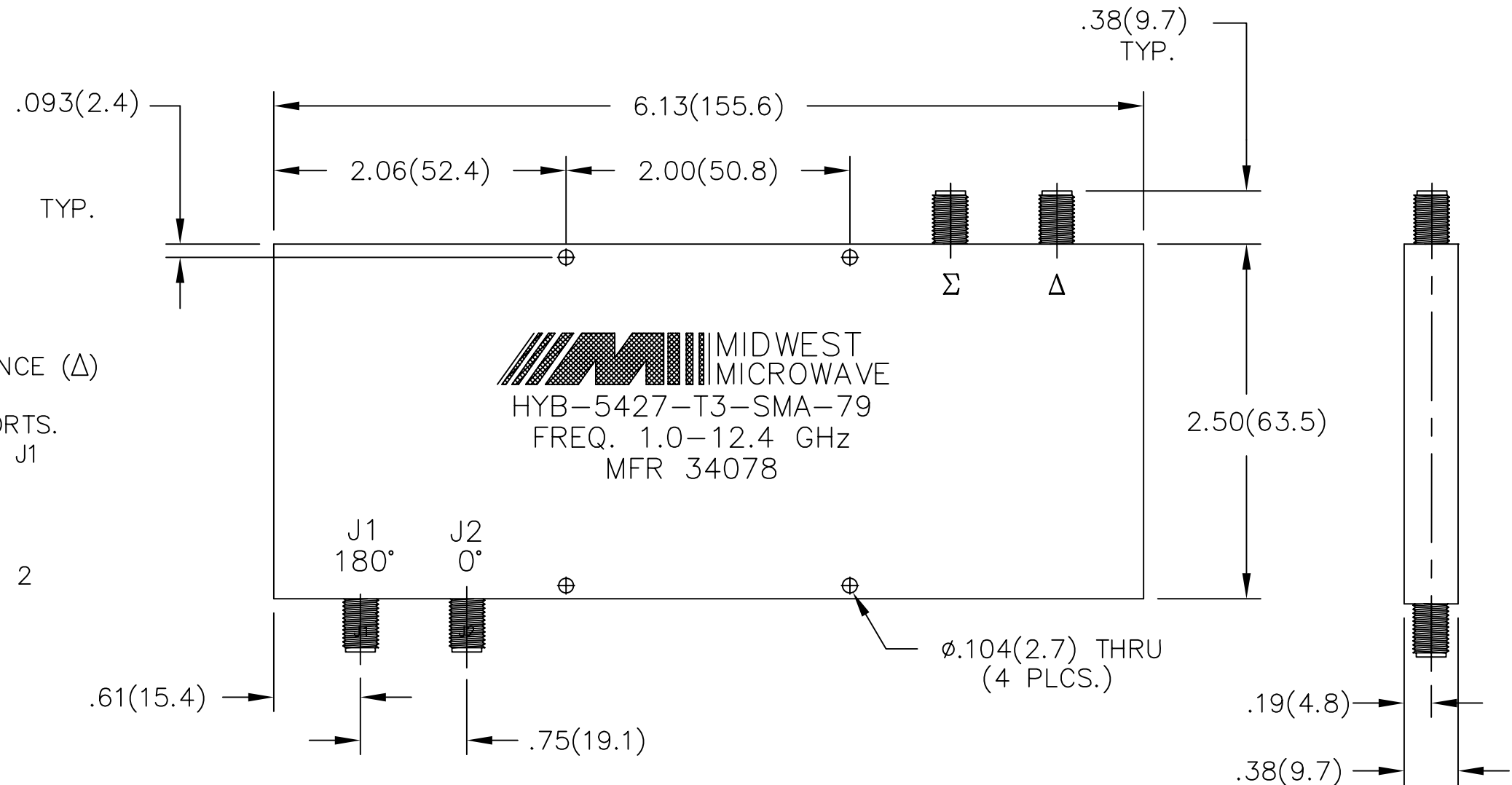
- 1.1 FREQUENCY RANGE: 1.0 to 12.4 GHz
- 1.2 ISOLATION: 15dB MIN.
- 1.3 AMPLITUDE BALANCE: ± 1.0 dB
- 1.4 VSWR (MAX): 2.00:1
- 1.5 INSERTION LOSS: 2.5dB MAX.
- 1.6 INPUT POWER
 - 1.6.1 AVG. POWER: 30 WATTS
 - 1.6.2 PEAK POWER: 3 KILOWATTS
- 1.7 WEIGHT: 9.5 Oz (270 GRAMS)

2.0 WHEN POWER IS APPLIED TO THE SUM(Σ) PORT, THE POWER IS DIVIDED EQUALLY BETWEEN THE 180°(J1) AND THE 0°(J2) PORTS AND THE SIGNALS AT THE OUTPUT PORTS J1 AND J2 ARE BOTH IN PHASE.

3.0 WHEN POWER IS APPLIED TO THE DIFFERENCE (Δ) PORT, THE POWER IS DIVIDED EQUALLY BETWEEN THE 180°(J1) AND THE 0°(J2) PORTS. AND THE SIGNALS AT THE OUTPUT PORTS J1 AND J2 ARE BOTH 180° OUT OF PHASE.

4.0 FINISHING:
4.1 GREY PER MIL-E-15090 TYPE II , CLASS 2
OVER MIL-C-5541 CLASS 3A
MEETS MIL-F-14072
MEETS MIL-E-5400
4.2 MARKING: MARK UNIT AS SHOWN
(REF.: SLK-08060-82-01)

5.0 DIMENSIONS IN PARENTHESIS ARE
IN MILLIMETERS.



MODEL NUMBER	REV.
HYB-5427-T3-SMA-79	A1

REV.	DESCRIPTION	DATE
-	RELEASED	4/23/98
A	EON 18792	10/23/02
A1	REPRINT LOST DWG	1/17/03

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 L.BROWN 9/22/97		ENG./DATE P.GOODMAN 4/23/98		DRAWING NUMBER HYB-5427-T3-SMA-79		
CHECKED/DATE		APPROVED/DATE					
				SCALE: 1=1		SHEET 1 of 1	