

NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

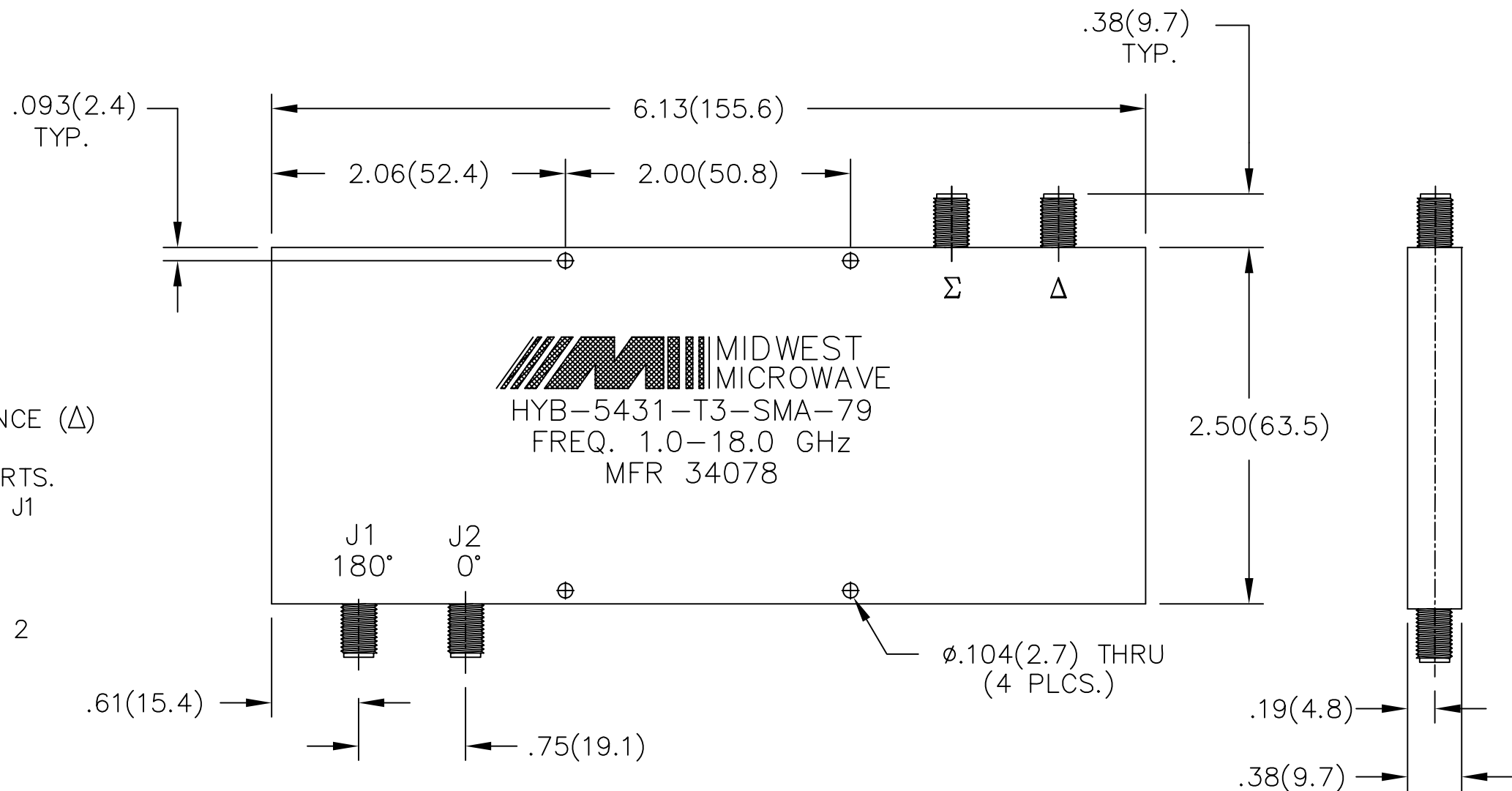
- 1.1 FREQUENCY RANGE: 1.0 to 18.0 GHz
- 1.2 ISOLATION: 12dB MIN.
- 1.3 AMPLITUDE BALANCE: ±1.5dB
- 1.4 VSWR (MAX): 2.50:1
- 1.5 INSERTION LOSS: 4.5dB MAX.
- 1.6 INPUT POWER:
 - 1.6.1 AVG. POWER: 20 WATTS
 - 1.6.2 PEAK POWER: 2 KILOWATTS
- 1.7 WEIGHT: 9.5 Oz (270 GRAMS)

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-08060-82-02)
- 5.0 DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS.



DATE	1/17/03	10/24/02
DESCRIPTION	RELEASED	ECN 18793
REV.	-	A

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	
DRAWN/DATE L.BROWN 9/24/97		ENG./DATE B.GALLAGHER 1/17/03
CHECKED/DATE		APPROVED/DATE
TITLE HYBRID COUPLER		DRAWING NUMBER HYB-5431-T3-SMA-79
SCALE: 1=1		SHEET 1 of 1