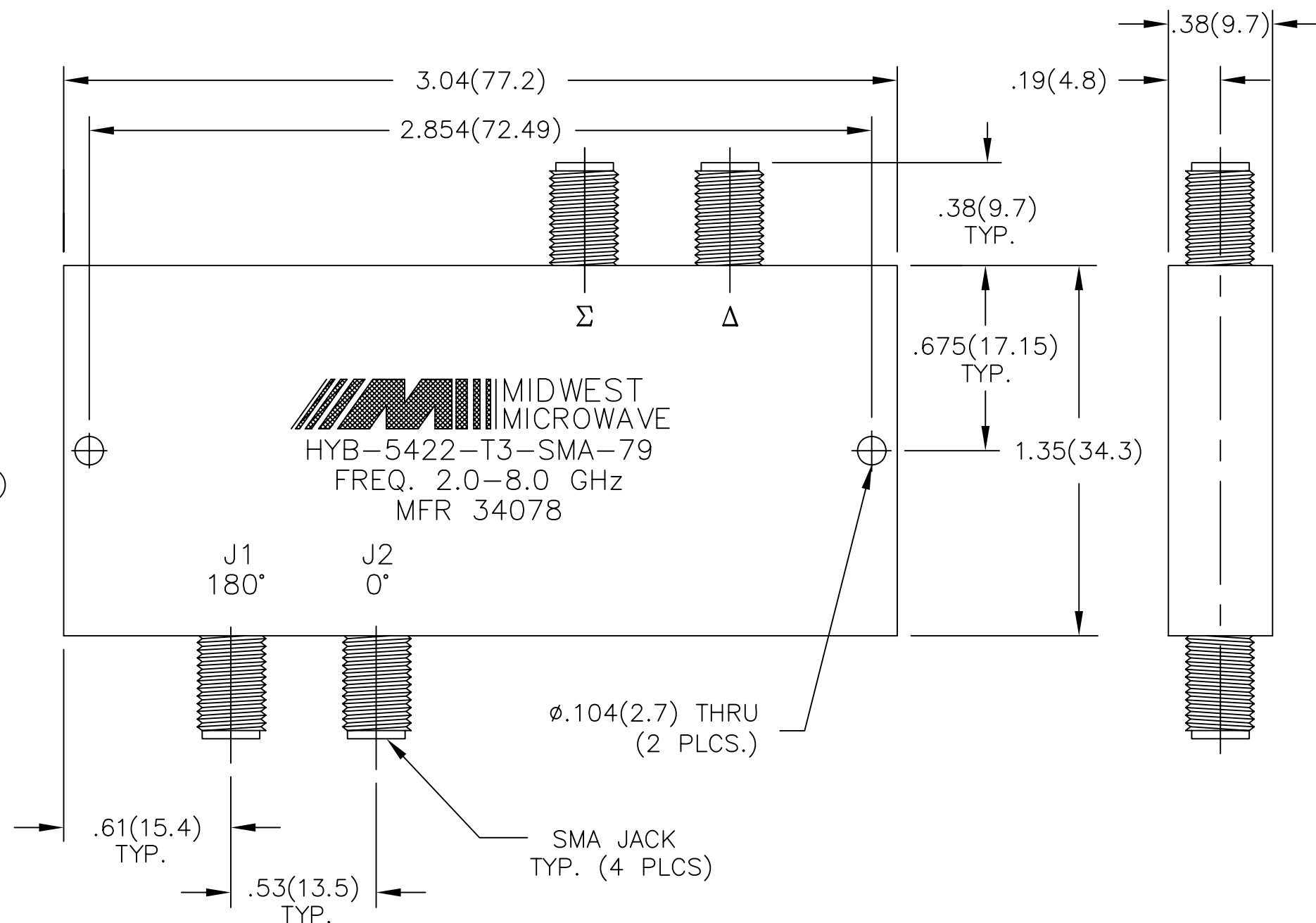


MODEL NUMBER	REV.
HYB-5422-T3-SMA-79	A

NOTES:

- 1.0 ELECTRICAL SPECIFICATIONS:
 - 1.1 FREQUENCY RANGE: 2.0 to 8.0 GHz
 - 1.2 ISOLATION: 18dB MIN.
 - 1.3 AMPLITUDE BALANCE: $\pm 0.5\text{dB}$
 - 1.4 VSWR (MAX): 1.60:1
 - 1.5 INSERTION LOSS: 2.3dB MAX.
 - 1.6 INPUT POWER:
 - 1.6.1 AVG. POWER: 30 WATTS
 - 1.6.2 PEAK POWER: 3 KILOWATTS
 - 1.7 WEIGHT: 2.8 Oz (78 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-08059-82-01)
- 5.0 DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS.



REV.	DESCRIPTION	DATE
—	RELEASED	7/24/01
A	18052	7/24/01

UNLESS OTHERWISE
NOTED DIMENSIONS
ARE IN INCHES AND
TOLERANCES ARE:

3 PLACE DECIMALS ± 0.005
2 PLACE DECIMALS ± 0.02
FRACTIONS $\pm 1/64$
PARALLELITY: T.I.R. _____
FLATNESS: T.I.R. _____
CONCENTRICITY: T.I.R. _____
ANGLES AND PERPENDICULARITY: T.I.R. _____

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
9/18/97

ENG./DATE
P.GOODMAN
7/24/01

	DRAWING NUMBER
--	----------------

HYB-5422-T3-SMA-79

CHECKED/DATE

APPROVED/DATE

SCALE: 2=1

SHEET	1	of	1
-------	---	----	---