

NOTES:

1.0 ELECTRICAL SPECIFICATIONS:

- 1.1 FREQUENCY RANGE: DC to 12.4 GHz
- 1.2 IMPEDANCE: 50 OHMS NOM.
- 1.3 INSERTION LOSS:
  - DC to 10.0 GHz: 6.0<sup>+1.2</sup><sub>-0.2</sub> dB
  - 10.0 TO 12.4 GHz: 6.0<sup>+1.5</sup><sub>-0.2</sub> dB
- 1.4 VSWR MAX.:
  - DC to 10.0 GHz: 1.25:1 MAX.
  - 10.0 to 12.4 GHz: 1.35:1 MAX.
- 1.5 ASYMMETRY:
  - DC to 4.0 GHz: 0.2dB MAX.
  - 4.0 to 10.0 GHz: 0.4dB MAX.
  - 10.0 to 12.4 GHz: 0.5dB MAX.
- 1.6 AVG. INPUT POWER: 1 WATT MAX.
- 1.7 OPERATING TEMP. RANGE:
  - 55°C to +125°C

2.0 FINISHING:

- 2.1 SEAL CONNECTORS USING EMERSON & CUMING ECCOBOND 45 EPOXY WITH ECCOBOND 15 CATALYST.
- 2.2 PAINT
  - GREY OVER MIL-E-15090 TYPE II, CLASS 2
  - OVER MIL-C-5541 CLASS 3A
  - MEETS MIL-F-14072
  - MEETS MIL-E-5400 AND MIL-E-16400V.

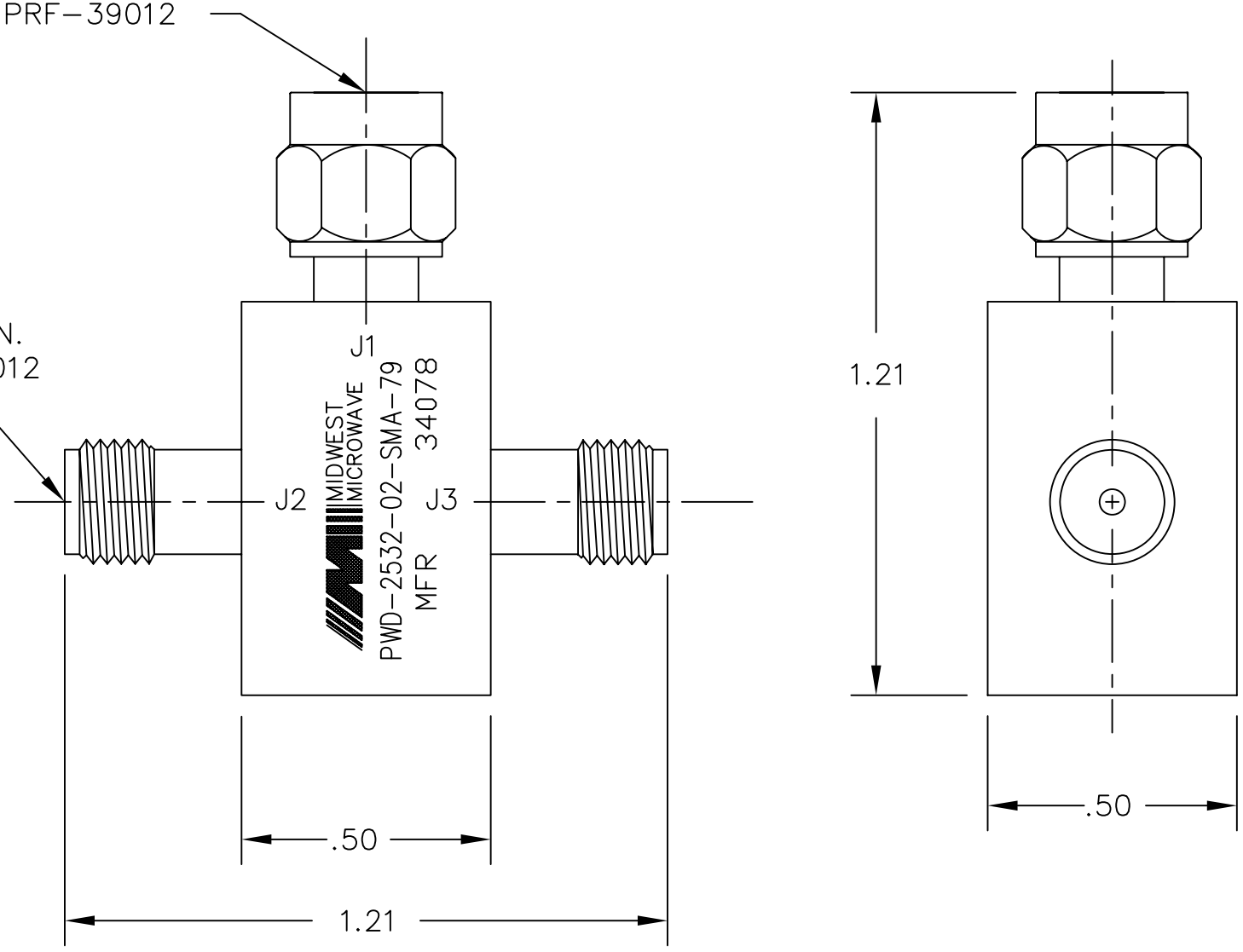
3.0 MARKING: MARK UNIT AS SHOWN.  
(REF.: SLK-02007-82-01)

4.0 TESTING:

- 4.1 VSWR (ALL PORTS)
- 4.2 INSERTION LOSS (INPUT TO EACH OUTPUT AND REVIEW DATA FOR ASYMMETRY).

SMA MALE CONN.  
PER MIL-PRF-39012

SMA FEMALE CONN.  
PER MIL-PRF-39012  
TYP (2 PLCS)



DWG NO. WAS: 02345-01-00

REV.	DESCRIPTION	DATE
-	RELEASED	4/30/79
A	ECR 4534	5/19/86
B	ECR 4651	7/2/86
C	ECR 4682	7/17/86
D	ECR 5896	3/22/88
E	ECR 6545	6/29/88
F	REDRAW ON CAD	3/30/92
F1	ADDED TITLEBLOCK	7/18/05

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:		FSCM NO. <b>34078</b>		<b>MIDWEST MICROWAVE</b>	
3 PLACE DECIMALS ±.005		NOTICE: The information contained in this drawing is proprietary and must not be used without the permission of Midwest Microwave		TITLE POWER DIVIDER	
2 PLACE DECIMALS ±.02					
FRACTIONS ±1/64		DRAWN/DATE A.BEATTY 3/30/92		ENG./DATE G.KOZAK 5/4/92	
PARALLELITY: T.I.R. _____		CHECKED/DATE		APPROVED/DATE	
FLATNESS: T.I.R. _____		DRAWING NUMBER PWD-2532-02-SMA-79			
CONCENTRICITY: T.I.R. _____		SCALE: 3=1 SHEET 1 of 1			
ANGLES AND PERPENDICULARITY: ±1°					