

DESCRIPTION

PMI MODEL NUMBER PS-360-90-2 OPTION 202F, IS A 2.2 TO 2.3 GHz (USABLE OVER 1.7 TO 2.3 GHz), DIGITAL PHASE SHIFTER WITH CAPABILITY FOR PHASE SHIFT OF 0°/360°, 90° 180°, 270°. PHASE ERROR OF 9° OVER 1.7 TO 2.3 GHz WITH GOAL OF 7° OVER 2.2 TO 2.3 GHz.

SPECIFICATIONS

- FREQUENCY RANGE
 - USABLE _____ 1.7 TO 2.3 GHz
 - OPTIMIZED _____ 2.2 TO 2.3 GHz
- INSERTION LOSS
 - GOAL _____ 5.5 dB
 - MAXIMUM _____ 6.5 dB
- VSWR
 - MAXIMUM _____ INPUT = 2.0:1
OUTPUT = 2.0:1
- POWER SUPPLY _____ +5 VDC @ 50mA MAXIMUM
-5 VDC @ 50mA MAXIMUM
- CONNECTORS
 - RF INPUT/OUTPUT _____ SMA FEMALE
 - POWER AND CONTROLS _____ SOLDER PIN
- SIZE _____ 2.00" x 2.00" x 0.50"
- LOGIC INPUT _____ TTL

NOTES:

- 1) DIMENSIONS ARE IN INCHES
- 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010

CONFIDENTIAL AND PROPRIETARY

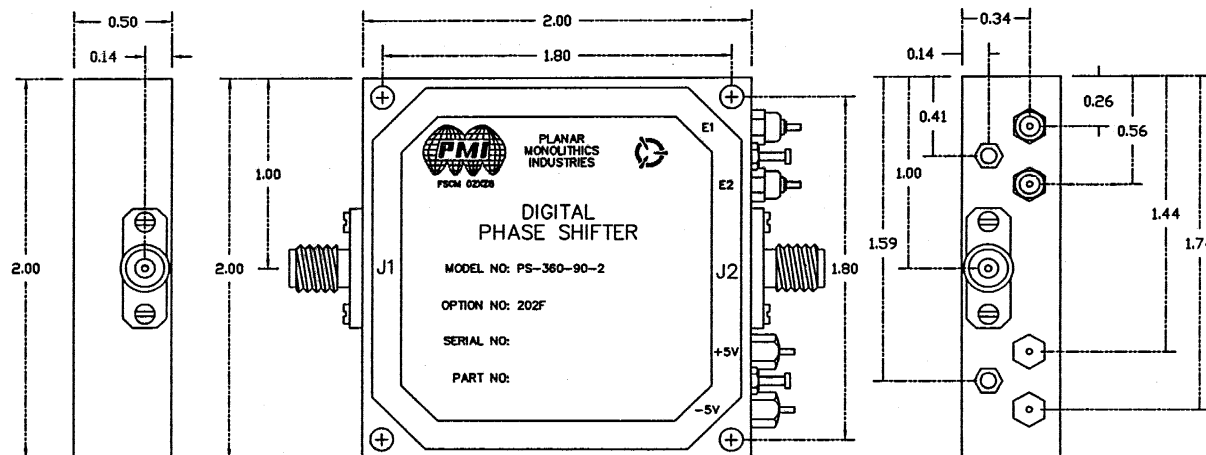
ENVIRONMENTAL RATINGS

- TEMPERATURE _____ -55°C TO +125°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK _____ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION _____ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE _____ MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# P21028E	10/01/02	

MECHANICAL OUTLINE



LOGIC TABLE

E1	E2	PHASE
0	0	0°/360°
0	1	90°
1	0	180°
1	1	270°

PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS		DATE	
DRAWN <i>KAB</i>		10/01/02	
CHECKED <i>PAW</i>		10/18/02	
ISSUED <i>KAB</i>		10/18/02	
WTS		10/18/02	
TITLE		PRODUCT FEATURE PS-360-90-2 OPTION 202F DIGITAL PHASE SHIFTER	
SIZE	FSCM NO.	DWG NO.	REV.
A	OZXZ8	100-6422	-
SCALE N: S		SHEET 1 of 3	