

DESCRIPTION

PMI MODEL PDPS-515G535G-270-2B IS A TWO BIT PHASE SHIFTER WITH A SPEED OF 300 nSEC MAXIMUM, (100 nSEC TYPICAL). DESIGNED TO OPERATE AT A FREQUENCY OF 5.15 to 5.35 GHz, WITH A VSWR OF 2.0:1. THIS UNIT HAS AN INSERTION LOSS OF 6.5 dB MAXIMUM AND A PHASE ACCURACY OF $\pm 6^\circ$ MAXIMUM, 3° TYPICAL.

SPECIFICATIONS

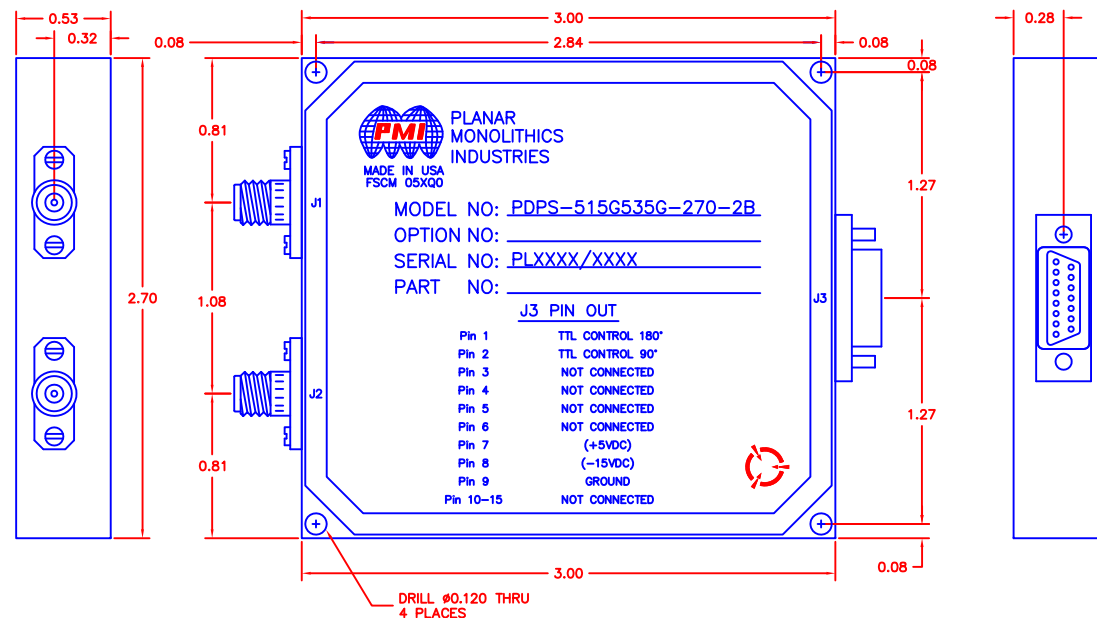
- FREQUENCY RANGE: 5.15 to 5.35 GHz
- INSERTION LOSS: 6.5 dB TYPICAL
- VSWR: 2.0:1
- PHASE STATES: 0, 90° , 180° & 270°
- PHASE ACCURACY: $\pm 6^\circ$ MAXIMUM, 3° TYPICAL
- SWITCHING SPEED: 300nSEC MAXIMUM, 100nSEC TYPICAL
- POWER SUPPLY: +5V @ 70 mA TYPICAL, 100 mA MAXIMUM
 -15V @ 70 mA TYPICAL, 100 mA MAXIMUM
- CONNECTORS:
 RF: SMA FEMALE INPUT & OUTPUT
 CONTROL: TTL THRU "D" MULTIPIN CONNECTOR
- SIZE: 3.00" X 2.70" X 0.53"
- FINISH: EPOXY PAINTED BLUE

15 Pin Sub-D Connector Pin Out	
Pin 1	TTL CONTROL 180°
Pin 2	TTL CONTROL 90°
Pin 3	NOT CONNECTED
Pin 4	NOT CONNECTED
Pin 5	NOT CONNECTED
Pin 6	NOT CONNECTED
Pin 7	(+5VDC)
Pin 8	(-15VDC)
Pin 9	GROUND
Pin 10-15	NOT CONNECTED

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO $+85^\circ\text{C}$ (OPERATING)
 -65°C TO $+100^\circ\text{C}$ (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: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ± 0.020
 X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/06/14	

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ISO 9001:2008 CERTIFIED

APPROVALS		DATE		TITLE	
DRAWN		DATE		PRODUCT FEATURE	
CHECKED		DATE		PDPS-515G535G-270-2B	
ISSUED		DATE		5.15 -5.35 GHz, 2-BIT PHASE SHIFTER	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	