

DESCRIPTION:

PMI MODEL NUMBER PXS-9G10G-55-SFF IS A PIN DIODE TRANSFER SWITCH THAT OPERATES OVER THE 9.0GHZ TO 10.0GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION. HERMETICALLY SEALED UNITS ARE AVAILABLE AS AN OPTION.

SPECIFICATIONS:

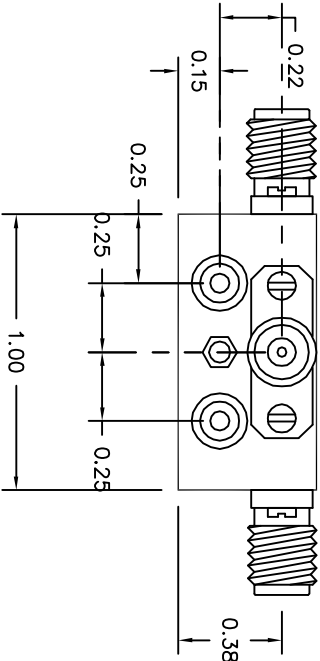
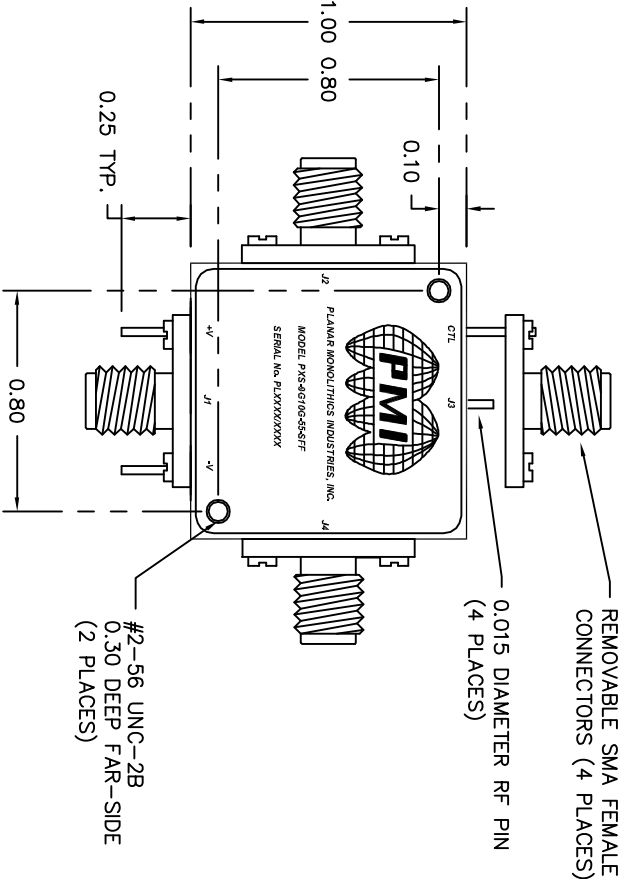
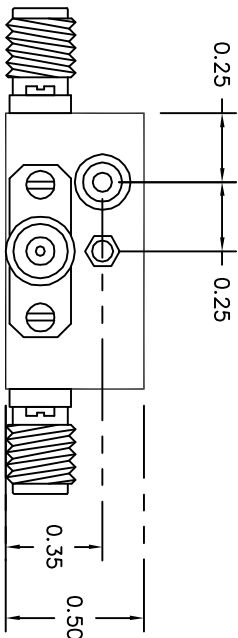
- FREQUENCY: 9.0 GHz TO 10.0 GHz
- INSERTION LOSS: 2.0dB TYPICAL, 2.75dB MAXIMUM
- ISOLATION: 55dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SPEED: 30ns MAXIMUM
- POWER INPUT: 1 WATT CW MAXIMUM
- CONTROL: TTL LOGIC - SEE TABLE
- POWER SUPPLY: +5V @ 60 mA NOMINAL
-12V @ 75 mA NOMINAL
- CONNECTORS: SMA FEMALE CONNECTORS
- SIZE: 1.0" L x 1.0"W x 0.5"H
- WEIGHT: 1.4 OUNCES TYPICAL

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°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
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	ORIGINAL RELEASE	1/13/10



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TTL LOGIC		INSERTION LOSS		ISOLATION	
0	J1-J2 J3-J4	J1-J4 J2-J3	J1-J4 J2-J3	J1-J4 J2-J3	J3-J4
1	J1-J4 J2-J3	J1-J4 J2-J3	J1-J4 J2-J3	J1-J4 J2-J3	J3-J4

APPROVALS	DATE	PRODUCT FEATURE			
DRAWN	1/13/10	PXS-9G10G-55-SFF			
CHECKED		9.0GHz to 10.0GHz Transfer Switch			
ISSUED		SIZE	FSCM NO.	DWG NO.	REV.
		A	05X00	PRELIMINARY	A

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XXX ±0.010
XXXX ±0.005