DESCRIPTION

MODEL ALSO INCORPORATES A TTL COMPATIBLE DRIVER FOR EASE OF SYSTEM FEATURES LOW INSERTION LOSS AND HIGH ISOLATION IN A SLIMLINE PACKAGE. THIS DIODE SWITCH THAT OPERATES OVER THE 0.1 GHz TO 50 GHz FREQUENCY RANGE. IT PMI MODEL P4T-100M50G-100-R-RD IS A REFLECTIVE, SINGLE POLE FOUR THROW PIN INTEGRATION.

		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/26/16	
	A1	ECN # 17-0299	12/19/17	
	В1	ECN # 22-0168	05/24/23	

MECHANICAL OUTLINE

SPECIFICATIONS	
FREQUENCY:	— 0.1 TO 50 GHz
INSERTION LOSS: —————	5.0 dB (0.1 TO 18 GHz) TYP
	8.0 dB (18 TO 40 GHz) TYP
	14.0 dB (40 TO 50 GHz) TYP
 INPUT & OUTPUT VSWR: —— 2.2:1 (0.1 TO 18 GHz) TYP 	— 2.2:1 (0.1 TO 18 GHz) TYP

INPUT POWER: 20 dBm CW MAX 80 dB (40 TO 50 GHz) TYP ISOLATION: -

3.0:1 (40 TO 50 GHz) TYP

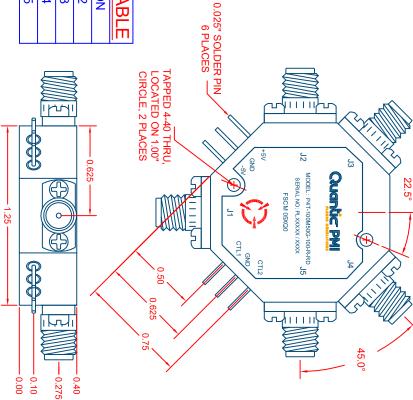
2.5:1 (18 TO 40 GHz) TYP

100 dB (18 TO 40 GHz) TYP 100 dB (1 TO 18 GHz) TYP 70 dB (0.1 TO 1 GHz) TYP

- SWITCHING SPEED: 50 ns MAX
- CONTROL SIGNAL: SEE TTL LOGIC TABLE
- DC VOLTAGE: +5 V @ 200 mA MAX -5 V @ 200 mA MAX
- RF CONNECTORS 2.4 mm FEMALE
- FINISH: 1.25" X 1.25" X 0.40"

GOLD PLATED

_		0	0	CTL 2	TTL LO
_	0	_	0	CTL 1	GIC CC
. I1 TO . I5	J1 TO J4	J1 TO J3	J1 TO J2	FUNCTION	TTL LOGIC CONTROL TABLE



ENVIRONMENTAL RATINGS

- TEMPERATURE: HUMIDITY: -MIL-STD-202, METHOD 103B COND. B -40 °C TO +85 °C (OPERATING -65 °C TO +125 °C (STORAGE)
- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- TEMPERATURE CYCLE: ALTITUDE: - MIL-STD-202, METHOD 107D COND. A MIL-STD-202, METHOD 105C COND. B
- NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

PMI CONFIDENTIAL AND PROPRIETARY ALL DIMENSIONS ARE IN INCHES
TOLERANCES: ±0.010 ±0.020

	DRAWN 168 09/26/16	APPROVALS D		
CIZE ESCA NO		DATE	TITLE	ISO 9001 CERTIFIED
DWG NO.	T41-100M30G-100-X-X-0	PRODUCT FEATURE		
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SCALE N:S

1 OF 1

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7311-F GROVE ROAL