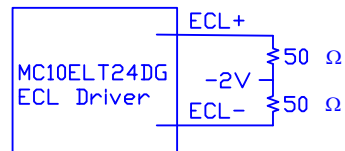


DESCRIPTION

PMI MODEL NUMBER P1T-2G6G-25-6NS-ECL-AKG IS AN ULTRA HIGH SPEED SINGLE POLE SINGLE THROW SWITCH COVERING 2 GHz TO 6 GHz. THE ISOLATION IS BETTER THAN 25 dB AND THE SWITCHING SPEED IS 6 ns USING EXTERNAL ECL CONTROLS. NO ADDITIONAL POWER SUPPLY IS REQUIRED.

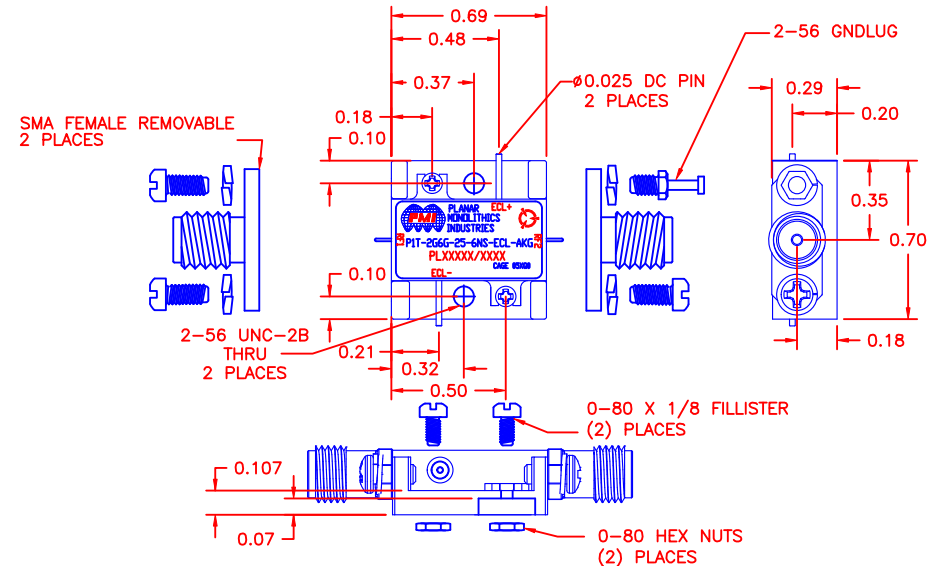
SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 6 GHz
- INSERTION LOSS: 5 dB MAX
- ISOLATION: 25 dB MIN
- VSWR (IN/OUT): 2:1 MAX
- SWITCHING SPEED: 6 ns TYP
- CONTROL: ECL CONTROL
ECL+ "1", ECL- "0" INSERTION LOSS
ECL+ "0", ECL- "1" ISOLATION
- RECOMMENDED DRIVER CIRCUIT: MC10ELT24DG OR EQUIVALENT ECL DRIVER WITH 50 OHM TERMINATIONS TO -2V ON ECL+ AND ECL-
KEEP CONNECTIONS TO SWITCH SHORT
- CONNECTORS: SMA (F) REMOVABLE
- SIZE (L) 0.69" X (W) 0.70" X (H) 0.29"
EXCLUDING CONNECTORS
- FINISH GOLD PLATED

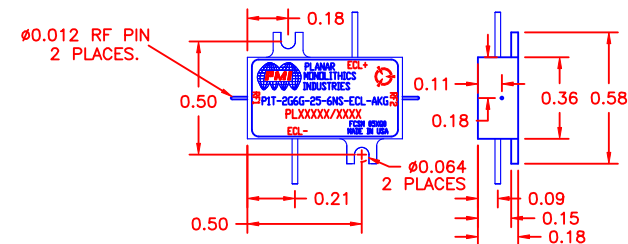


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/3/19	
	B1	ECN # 25-0081	3/17/25	

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)
-40°C TO +85°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B 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 ±0.02
X.XXX ±0.010

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN DPD		4/3/19	PRODUCT FEATURE P1T-2G6G-25-6NS-ECL-AKG		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27035638
ISSUED			SCALE N:S		REV. B1
					SHEET 1 OF 1