

## DESCRIPTION

PMI MODEL: P8T-100M40G-70-T-512-292FF-DEC IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH THAT OPERATES OVER THE 0.1 TO 40 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO ACHIEVE OVER 70 dB OF ISOLATION AND SWITCHES IN LESS THAN 100ns ALL IN A SLIMLINE PACKAGE MEASURING ONLY 4.0" X 1.5" X 0.4".

## SPECIFICATIONS

- FREQUENCY RANGE: ..... 0.1 TO 40.0 GHz
- ISOLATION ..... 70dB Min. (0.1 to 40GHz)
- INSERTION LOSS ..... 11dB MAX  
6dB Typ. (0.1 to 18GHz)  
7dB Typ. (18 to 26.5GHz)  
10dB Typ. (26.5 to 40GHz)
- VSWR IN/OUT ..... 2.5:1 Typ.
- OPERATING INPUT POWER ..... +20dBm CW
- SWITCHING SPEED ..... 100 ns Max.
- DC VOLTAGE AND CURRENT ..... +5VDC @ 500mA  
-12VDC @ 200mA
- CONTROL SIGNAL ..... 3 Bit Decoded TTL
- CONNECTORS ..... 2.92mm (F)
- FINISH ..... GOLD PLATED
- SIZE ..... 4.0" X 1.5" X 0.4"

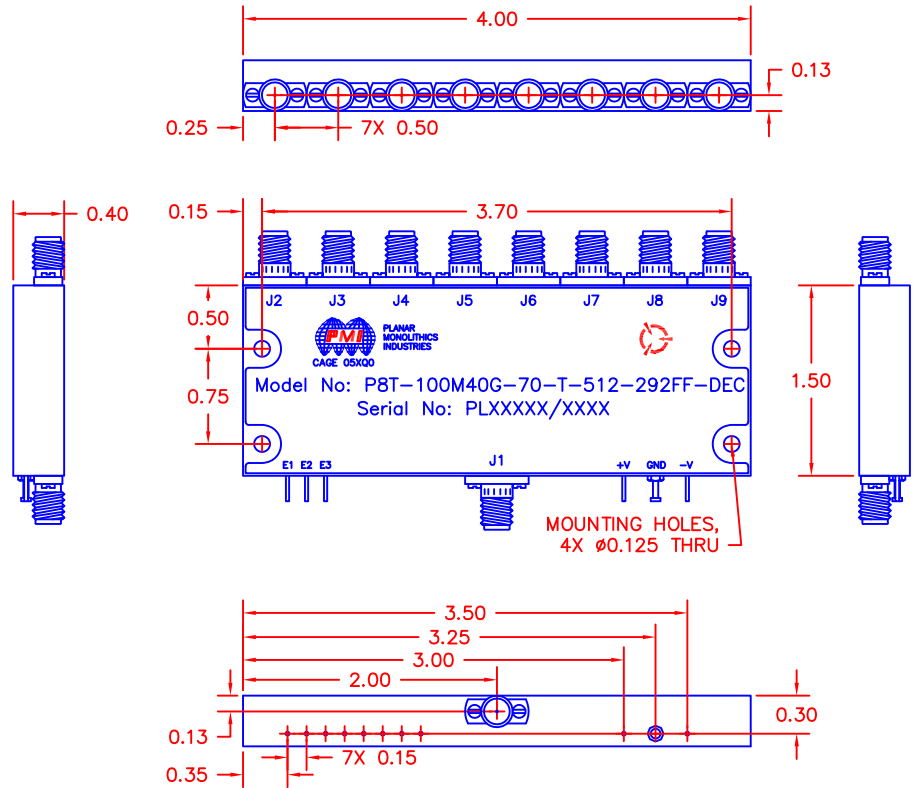
## ENVIRONMENTAL RATINGS

- TEMPERATURE: ..... -54°C TO +95°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: 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  
WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/26/21	



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>VR</i>		10/26/21	PRODUCT FEATURE			
CHECKED			P8T-100M40G-70-T-512-292FF-DEC			
ISSUED			0.1 TO 40.0 GHz HIGH SPEED SWITCH 8 THROW			
SIZE	FSCM NO.	DWG NO.	REV.			
A	05XQ0		-			
SCALE N:S		SHEET		1 OF 1		