

## DESCRIPTION

THE MODEL P8T-100M40G-85-T-512-292FF-ROHS-OPT0R118 IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 0.1 TO 18.0 GHz AND THIS SWITCH HAS OVER 90dB OF ISOLATION. THIS ITEM IS ROHS COMPLIANT.

## SPECIFICATIONS

- FREQUENCY RANGE:----- 0.1 TO 18.0 GHz
- ISOLATION:----- 90dB MIN.
  
- INSERTION LOSS:----- 6dB MAX
  
- VSWR IN/OUT:----- 2.0:1 MAX
- OPERATING INPUT POWER:----- +23dBm CW
- SWITCHING SPEED:----- 100 ns MAX
- DC VOLTAGE AND CURRENT:----- +5VDC @ 250mA  
-12VDC @ 100mA
  
- CONTROL SIGNAL:----- EIGHT LINE TTL  
E1 CONTROLS J1-J2  
E2 CONTROLS J1-J3  
E3 CONTROLS J1-J4  
E4 CONTROLS J1-J5  
E5 CONTROLS J1-J6  
E6 CONTROLS J1-J7  
E7 CONTROLS J1-J8  
E8 CONTROLS J1-J9  
"0" INSERTION LOSS  
"1" ISOLATION
  
- CONNECTORS:----- SMA (F)
- FINISH:----- GOLD PLATED
- SIZE:----- 4.0" X 1.5" X 0.4"

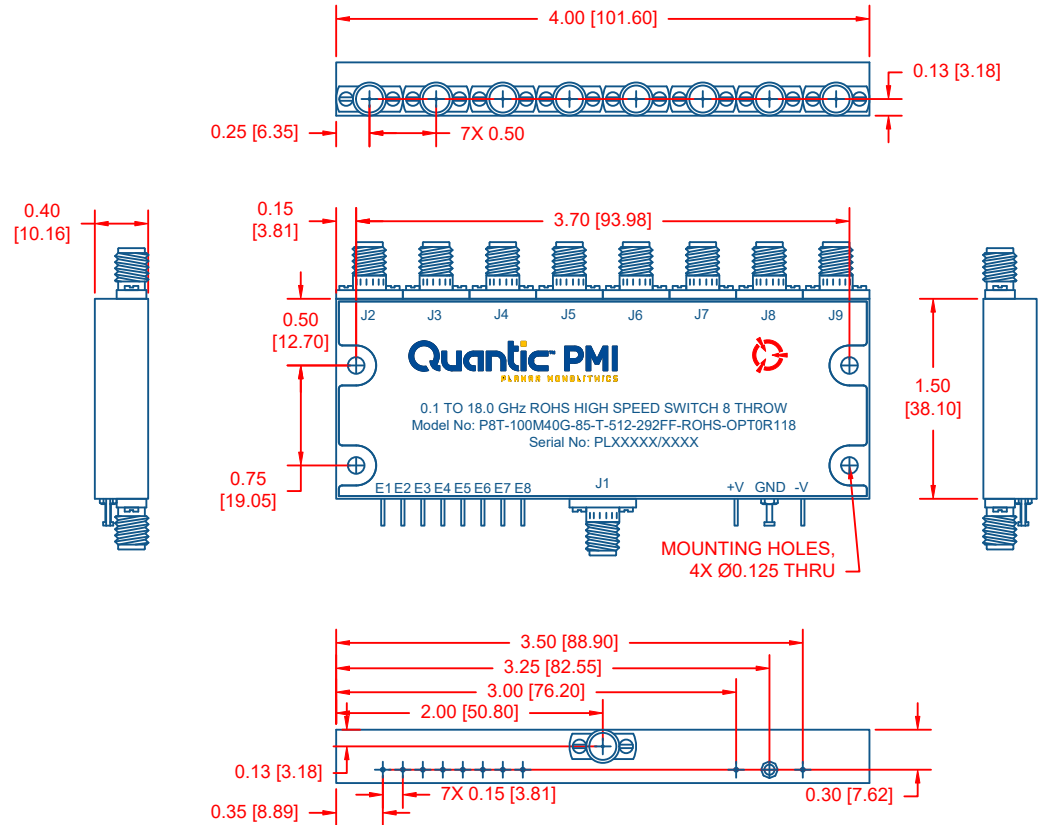
## ENVIRONMENTAL RATINGS

- TEMPERATURE:----- -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY:----- MIL-STD-202, METHOD 103B COND. B
- SHOCK:----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION:----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	01/13/23	
	A2	ECN # 24-0212	08/01/24	



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PARARR MONOLITHICS

APPROVALS		DATE	TITLE			
			<b>OUTLINE</b>			
DRAWN <i>MDL</i>		01/13/23	P8T-100M40G-85-T-512-292FF-ROHS-OPT0R118			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. 27045360	REV. A2
ISSUED			SCALE N:S		SHEET 1 OF 1	