

DESCRIPTION

THE MODEL P8T-100M40G-85-T-512-292FF IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 0.1 TO 40.0 GHz AND THIS SWITCH HAS OVER 70dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 0.1 TO 40.0 GHz
- ISOLATION 90dB Min. (0.1 to 18GHz)
80dB Min. (18 to 26.5GHz)
70dB Min. (26.5 to 40GHz)
- INSERTION LOSS 10dB MAX
6dB Typ. (0.1 to 18GHz)
7dB Typ. (18 to 26.5GHz)
9.5dB 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 @ 180mA
-12VDC @ 65mA
- 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 2.92mm (F)
- FINISH GOLD PLATED
- SIZE 4.0" X 1.5" X 0.4"

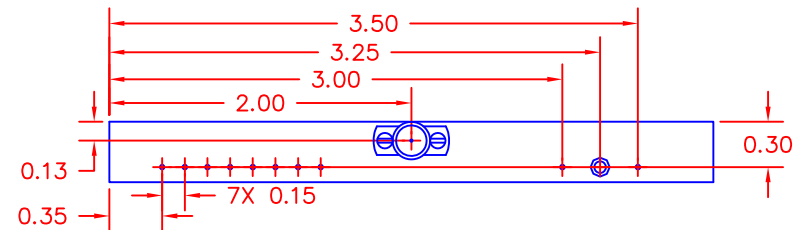
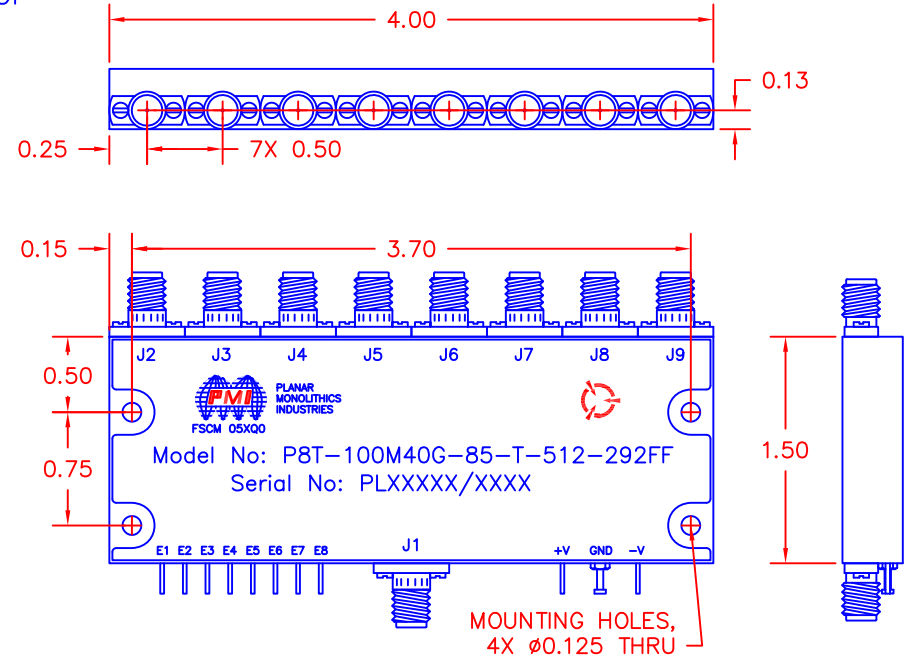
ENVIRONMENTAL RATINGS

- 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
	1	ORIGINAL RELEASE	10/28/18	



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>JGS</i>		10/28/18	PRODUCT FEATURE			
CHECKED			P8T-100M40G-85-T-512-292FF			
ISSUED			0.1 TO 40.0 GHz HIGH SPEED SWITCH 8 THROW			
SIZE	FSCM NO.	DWG NO.	REV.			
A	05XQ0	27021081	1			
SCALE N:S			SHEET 1 OF 1			