

DESCRIPTION

THE MODEL P8T-500M40G-50-T-55-292FF-1 IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 50ns. THE FREQUENCY RANGE IS 0.5 TO 40.0 GHZ AND THIS SWITCH HAS OVER 50dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE:..... 0.5 TO 40.0 GHZ
- ISOLATION..... 50dB MIN
- INSERTION LOSS..... 10dB MAX
- VSWR IN/OUT..... 3.0:1 TYP.
- OPERATING INPUT POWER..... +20dBm CW
- SWITCHING SPEED..... 50 ns TYP.
- DC VOLTAGE AND CURRENT..... +5VDC @ 70mA  
-5VDC @ 20mA
- 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" ISOLATION  
"1" INSERTION LOSS

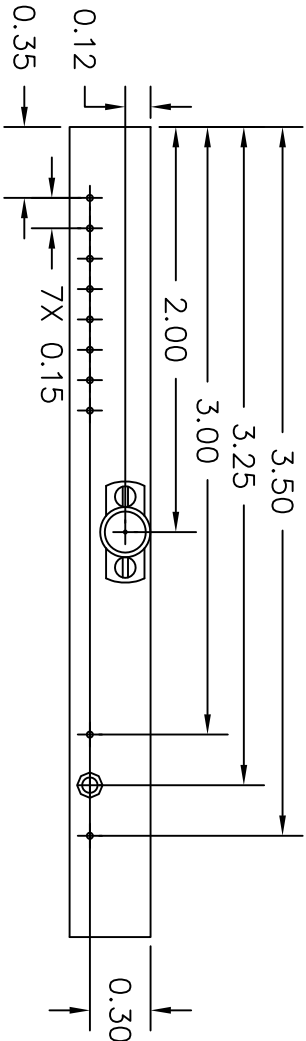
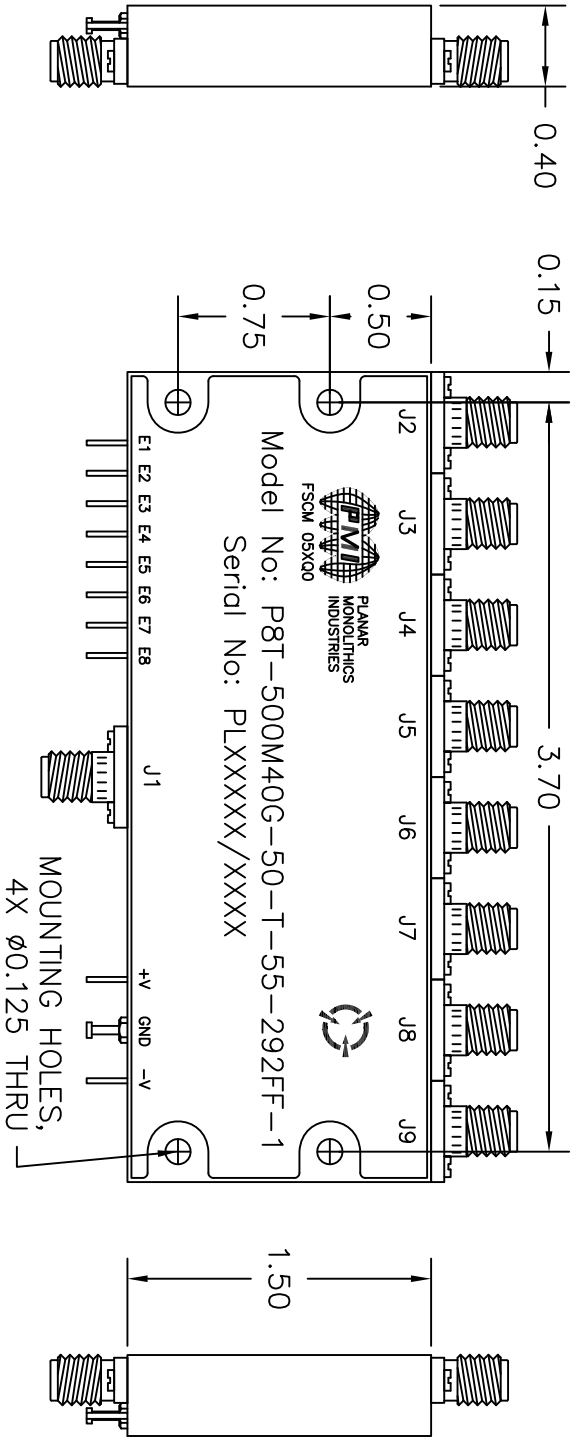
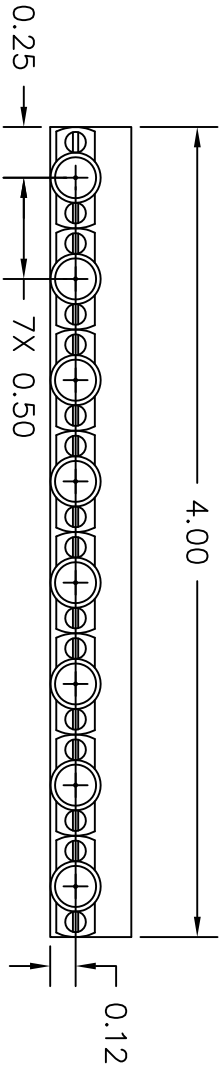
- CONNECTORS..... 2.92mm (F)
- FINISH..... GOLD PLATED
- SIZE..... 4.0" X 1.5" X 0.4"

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

| REVISIONS |      |                  |          |
|-----------|------|------------------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE     |
|           | A    | ORIGINAL RELEASE | 02/11/18 |



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| APPROVALS |  | DATE     |  | TITLE                                     |  |        |  |
|-----------|--|----------|--|-------------------------------------------|--|--------|--|
| DRAWN     |  | 02/11/18 |  | PRODUCT FEATURE                           |  |        |  |
| CHECKED   |  |          |  | P8T-500M40G-50-T-55-292FF-1               |  |        |  |
| ISSUED    |  |          |  | 0.5 TO 40.0 GHZ HIGH SPEED SWITCH 8 THROW |  |        |  |
|           |  |          |  | SIZE                                      |  | REV.   |  |
|           |  |          |  | A                                         |  | A      |  |
|           |  |          |  | SCALE                                     |  | SHEET  |  |
|           |  |          |  | N:S                                       |  | 1 OF 1 |  |