

# SWITCH P DIODE .3-16GHZ SMA-F

SR0316

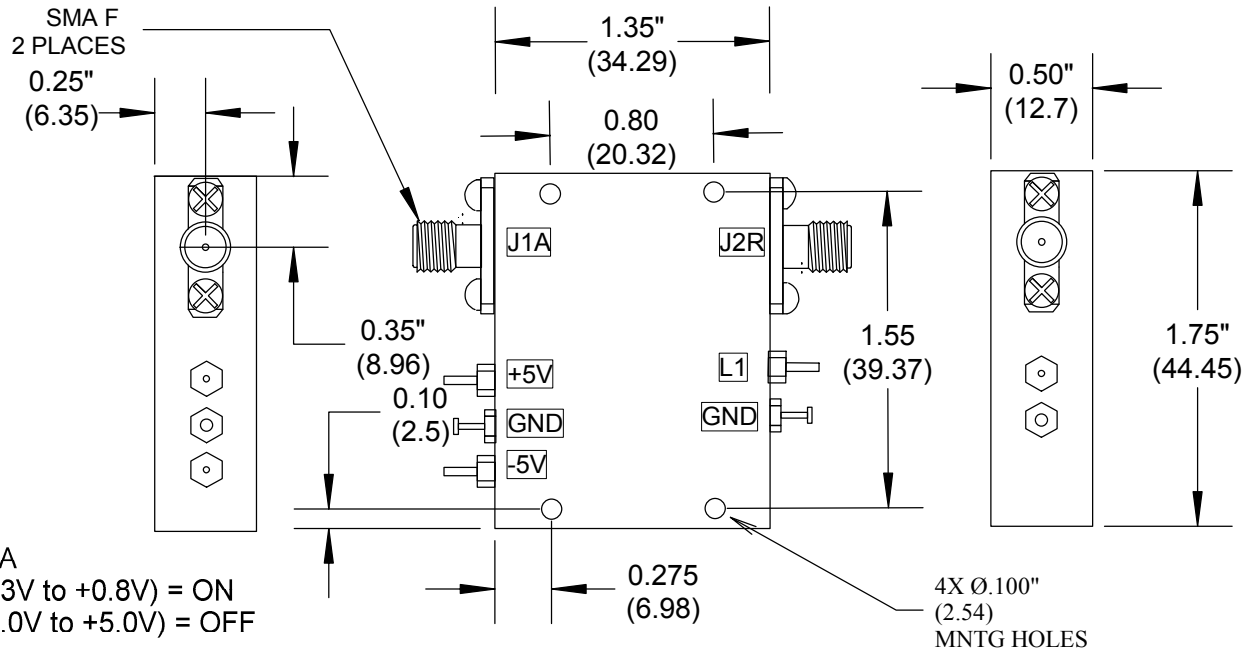
## SPECIFICATIONS

### ELECTRICAL:

INPUT FREQUENCY: 0.3 - 16.0 GHZ  
 SWITCH TYPE: SP1T  
 INSERTION LOSS: 3.5 dB MAX  
 ISOLATION: 55 dB MIN  
 VSWR: 1.70:1  
 INPUT POWER: 200 mW (23 dBm)  
 SWITCHING TIME: 100 nsec  
 DRIVER: SCHOTTKEY TTL  
 VOLTAGE/CURRENT REQUIRED:  $\pm 5Vdc @ \pm 30 mA$   
 INDIVIDUAL TTL CONTROL LOGIC: LOGIC "0" (-0.3V to +0.8V) = ON  
 LOGIC "1" (+2.0V to +5.0V) = OFF

### NOTES:

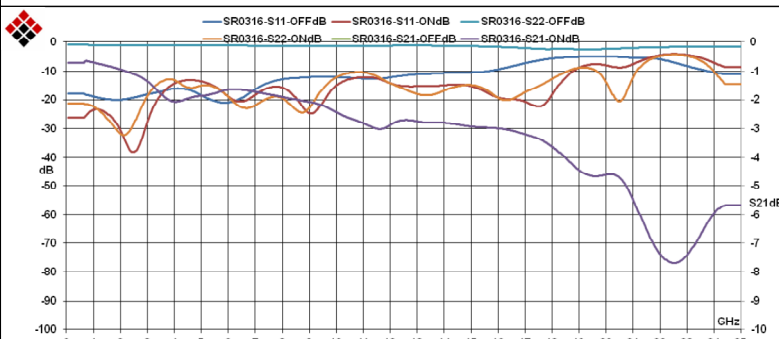
PORT J1 (ABORPTIVE)  
 PORT J2 (REFLECTIVE)



### TTL CONTROL LOGIC

L1	J1-J2
0	INSERTION LOSS
1	ISOLATION

MEASUREMENTS BELOW ARE TYPICAL



ALL DIMENSIONS IN inches(MM) Typical

**FAIRVIEW MICROWAVE INC.**

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TITLE

SWITCH P DIODE .3-16GHZ SMA-F

SIZE CAGE CODE DWG NO

A

3FKR5

SR0316

REV

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SCALE

SHEET