

# SWITCH PIN DIODE 1-4GHZ SMA-F

SR1040

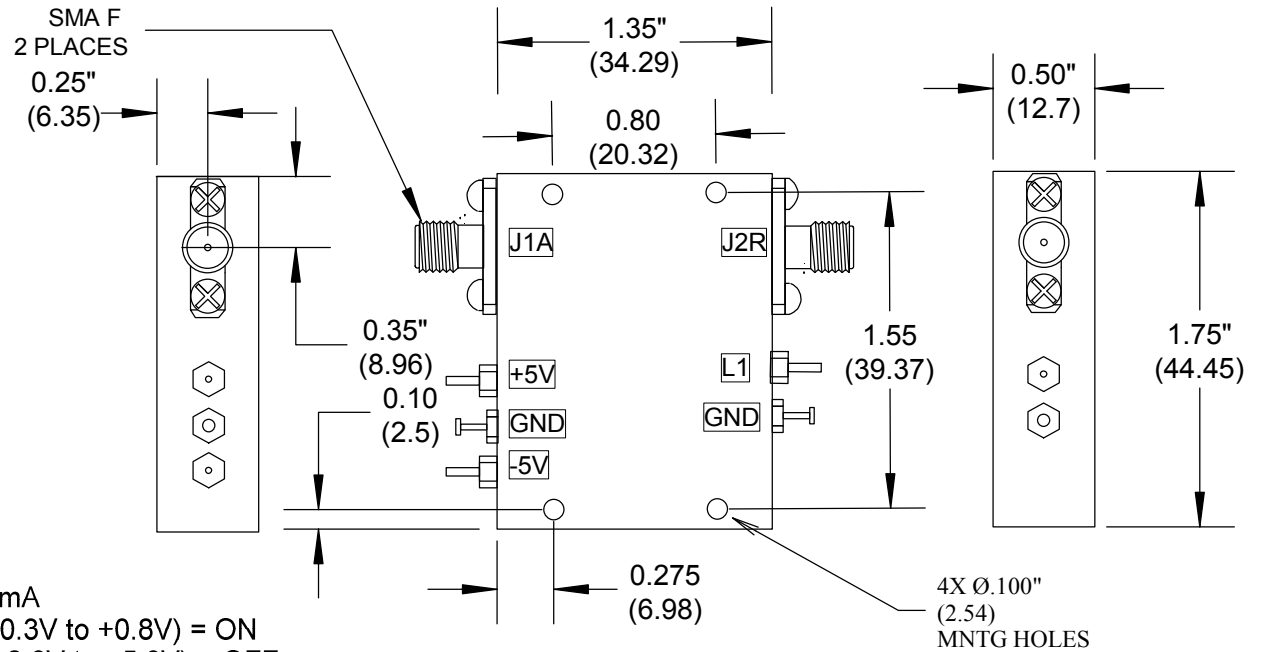
## SPECIFICATIONS

### ELECTRICAL:

INPUT FREQUENCY: 1-4 GHZ  
 SWITCH TYPE: SP1T  
 INSERTION LOSS: 1.6 dB MAX  
 ISOLATION: 60 dB MIN  
 VSWR: 1.60:1  
 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:

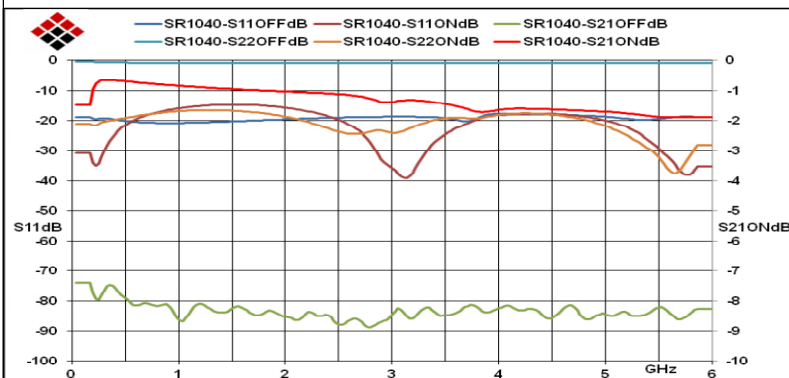
PORT J1 (ABORPTIVE)  
 PORT J2 (REFLECTIVE)



### 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 PIN DIODE 1-4GHZ SMA-F

SIZE CAGE CODE DWG NO

A

3FKR5

SR1040

REV

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SCALE

SHEET