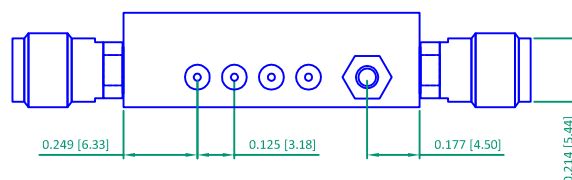
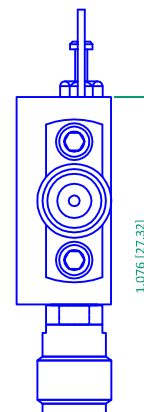
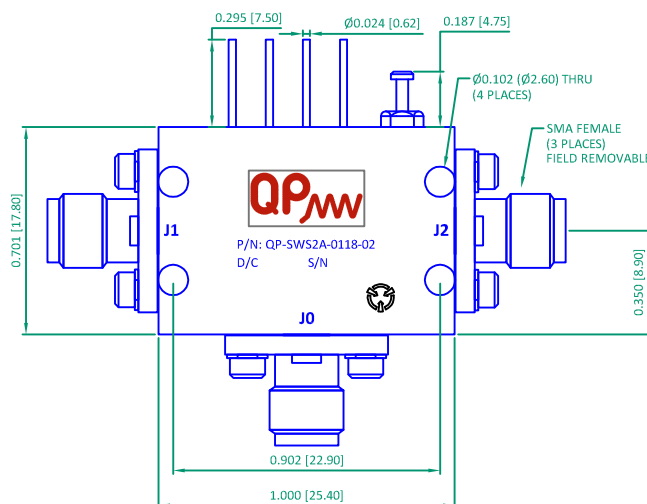
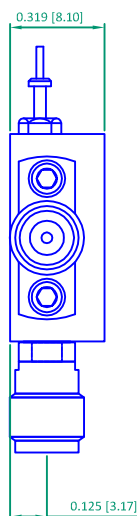


ALL DIMENSIONS SHOWN ARE  
IN INCHES [mm]



## ELECTRICAL SPECIFICATIONS:

FREQUENCY RANGE: 1 - 18 GHz  
INSERTION LOSS: 4 dB MAX.  
3.5 dB MAX. (GOAL)  
ISOLATION: 60 dB MIN.  
VSWR: J0: 2:1 MAX. J1-J2: 2:1 MAX.  
HARMONIC REJECTION: 55 dBc MIN., 60 dBc TYP. @ Pin=+17 dBm  
63 dBc MIN. @ Pin=+17 dBm (GOAL)  
SWITCHING TIME: 25 ns MAX. (ON - 50% VCRTL TO 90% RF)  
25 ns MAX. (OFF - 50% VCRTL TO 10% RF)  
CONTROL: TTL (See Table)  
BIAS: +5V, 50 mA; -5V to -15V, 50 mA

| Ctrl Line |     | RF Output |        |
|-----------|-----|-----------|--------|
| C1        | C2  | J1        | J2     |
| 0         | 0   | ON(*)     | ON (*) |
| 0         | 1   | ON        | OFF    |
| 1         | 0   | OFF       | ON     |
| 1         | 1   | OFF       | OFF    |
| N/C       | N/C | OFF       | OFF    |

(\*) Non Functional  
(N/C): Not Connected

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)  
-55°C TO +125°C (STORAGE)  
- HUMIDITY: MIL-STD-202G, METHOD 103B COND. B  
- SHOCK: MIL-STD-202G, METHOD 213B COND. B  
- VIBRATION: MIL-STD-202G, METHOD 204D COND. B  
- ALTITUDE: MIL-STD-202G, METHOD 105C COND. B  
- TEMP. SHOCK: MIL-STD-202G, METHOD 107G COND. A

FINISH: NICKEL PLATING



NOTE: The above specifications are subject to change or revision. Specifications are at 25°C unless stated otherwise.



QP microWAVE  
CÓLQUIDE 6  
28231 LAS ROZAS  
MADRID, SPAIN

| APPROVALS | DATE     | SIGNED |
|-----------|----------|--------|
| DRAW      | 07/05/15 | BME    |
| CHECKED   | 07/05/15 | JAV    |
| APPROVED  | 07/05/15 | JAV    |

| DESCRIPTION: SP2T ABSORTIVO 1 - 18 GHz |       |        |
|----------------------------------------|-------|--------|
| CODE:                                  | REV.: | SHEET: |
| QP-SWS2A-0118-02                       | 000   | 1 DE 1 |