



Features

- TTL-Compatible Driver
- Broad Operating Bandwidth
- Customization Available

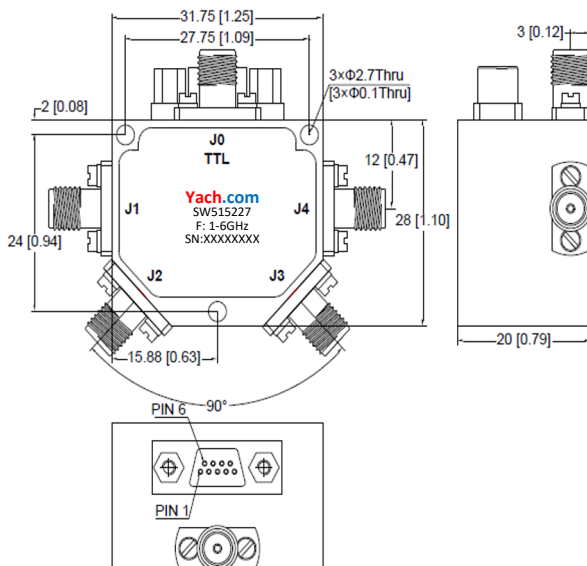
Applications

- Test Instrument
- Telecom Infrastructure
- Microwave Radio

| Parameter | Min. | Typ. | Max. | Unit |
|-------------------------|------|---------------------------|------|------|
| Frequency | 1 | | 6 | GHz |
| Insertion Loss | | | 3.5 | dB |
| VSWR | | | 2.0 | / |
| Isolation | 60 | | | dB |
| Phase | | ± 30° | | |
| Switching Time | | 100 ns | | |
| RF Input Power | | 30 dBm | | |
| DC Power Dissipation | | 1.2 W | | |
| Bias Current (+5V /-5V) | | 180 / 50 mA | | |
| Impedance | | 50 Ω | | |
| Connector | | SMA Female | | |
| Control Port | | J30J Female | | |
| Material/Finish | | Aluminum / Nickel Plating | | |
| Operational Temperature | | -45 ~ +85°C | | |
| Storage Temperature | | -55 ~ +125°C | | |

Yach reserves the right to change this datasheet without notice!

Outline Drawing: Dimensions are in mm [inches]. Tolerance +/-0.1mm; Hole +/-0.1mm



Truth Table

| Control Input TTL | | | Signal Path State |
|-------------------|----|----|-------------------|
| E3 | E2 | E1 | |
| 0 | 0 | 0 | J0-J1 |
| 0 | 0 | 1 | J0-J2 |
| 0 | 1 | 0 | J0-J3 |
| 0 | 1 | 1 | J0-J4 |
| 1 | 0 | 0 | All Off |

DB9 Description

| PIN No. | Description |
|---------|-------------|
| 1 | +5V |
| 2 | GND |
| 3 | -5V |
| 4 | E1 |
| 5 | E2 |
| 6 | E3 |
| 7 | NC |
| 8 | NC |
| 9 | NC |