

Full U Band(40-60GHz) SPST, WR-19



Description:

AT-SPST-4060T1 is a MMIC Based SPST (Single pole Single throw) switch covering 40-60GHz. This module offers a low insertion loss of -3 dB.

It also has good return loss from 40-60GHz band in both ON and OFF state. The input and output connectors are WR-19 Waveguide.

More information, visit www.atmicrowave.com

Feature

- ✓ Frequency: 40-60GHz
- ✓ Low insertion Loss, -3.0 dB
- ✓ High isolation: -25dB
- ✓ Very fast speed

Application

- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System
- ✓ Telecom Communication

Electrical Specifications:

| Parameter | Min | Typical | Max |
|------------------|-------|----------|-----|
| Frequency(Note1) | | 40-60GHz | |
| Insertion Loss | | -3.0dB | -5 |
| Isolation | -20dB | -25 dB | |
| Vdd | | +5V | |
| Vee | | -5V | |
| Control | | TTL | |
| P1db | | +20dBm | |
| Temp Spec | | 25C | |





AT-SPST-4060T1

40-60 SPST Switch

Mechanical Information

| Item | Description |
|---------------|------------------|
| Input Port | WR-19 |
| Output Port | WR-19 |
| Bias/Control | Feed Through Pin |
| Case Material | Copper |
| Finish | Gold Plated |
| Weight | 160g |
| Size: | See outline |

Absolute Maximum Ratings Table

| Parameter | Value |
|-----------------------|------------------------|
| Bias Voltage | +5V +/-10%, -5V +/-10% |
| RF Input Power | +23dBm |
| Operating Temperature | 0 to +60C |
| Storage Temperature | -65 to +160C |

TTL and Bias Voltage

| | |
|------|--------------|
| TTL | V2 |
| High | 2.0 to 5.5V |
| Low | 0 to 0.8V |
| VDD | +5V (+/-5%) |
| VEE | -5V (+/-5%) |

Truth Table

| | |
|------|-------|
| TTL | J1-J2 |
| High | ON |
| Low | OFF |

Dimension (mm)

To be added.

