

# RF SWITCH(SPDT)

## PART NO. : WV-SPDT-F-S-01

### ◆ APPLICATION

> 0.7 ~ 2.8GHz Band System

### ◆ FEATURE

> High Reliability  
> **RoHS Compliant**

### ◆ ELECTRICAL SPECIFICATION

| ITEM              | SPECIFICATION     |               |               |               |
|-------------------|-------------------|---------------|---------------|---------------|
| Frequency Range   | DC ~ 3GHz         | 3~8GHz        | 8~12.4GHz     | 12.4~18GHz    |
| Insertion Loss    | 0.2dB Max         | 0.3dB Max     | 0.4dB Max     | 0.5dB Max     |
| VSWR              | 1.15:1 Max.       | 1.3:1 Max.    | 1.4:1 Max.    | 1.5:1 Max.    |
| Isolation         | 80dB Min.         | 70dB Min.     | 60dB Min.     | 60dB Min.     |
| Power             | 100W CW<br>Max    | 60W CW<br>Max | 50W CW<br>Max | 35W CW<br>Max |
| Actuation Voltage | 20 ~ 32VDC        |               |               |               |
| Actuation Current | 150mA @32VDC/25°C |               |               |               |
| In/Out Impedance  | 50 Ohms Nominal   |               |               |               |
| Actuation         | Fail Safe         |               |               |               |
| Switching Time    | 20mS              |               |               |               |
| Life Cycles       | 1,000,000         |               |               |               |

### ◆ ENVIRONMENTAL SPECIFICATIONS

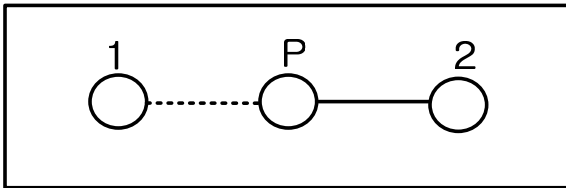
| ITEM                        | SPECIFICATION     |
|-----------------------------|-------------------|
| Operating Temperature Range | -40°C to +85°C    |
| Storage Temperature Range   | -55°C to +85°C    |
| RF Contacts                 | Break before make |
| Control Cable               | Moles 5557        |

# RF SWITCH(SPDT)

## ◆ INTERFACE (2pin Molex Connector : 5557-02R)

| Pin No. | Description | Remark    |
|---------|-------------|-----------|
| PIN 1   | RED         | +20~32Vdc |
| PIN 2   | BLACK       | GND       |

## ◆ INTERFACE RF LINE



|       | ENGZ | DE-ENGZ(PINS) |
|-------|------|---------------|
| CLOSE | 2-3  | 1-3           |

## ◆ MECHANICAL SPECIFICATIONS

| ITEM               | SPECIFICATION             |
|--------------------|---------------------------|
| Dimension          | 46.1 x 19.0 Max (Unit:mm) |
| Mounting Points    | See Outline Drawing       |
| RF Connector       | SMA Female Connector      |
| Connector Position | See Outline Drawing       |

## ◆ OUTLINE DRWAING

