

DPDT 26.5GHz

Failsafe / Latching

◆ RF Characteristics

| Frequency (GHz) | Ins.loss (dB) | Isolation (dB) | VSWR | RF Power CW (W) |
|-----------------|---------------|----------------|------|-----------------|
| DC-6 | 0.3 | 70 | 1.3 | 80 |
| 6-12 | 0.4 | 60 | 1.4 | 60 |
| 12-18 | 0.5 | 55 | 1.5 | 50 |
| 18-26.5 | 0.7 | 50 | 1.7 | 15 |



◆ Operating Voltage/Coil Current

| Operating Voltage(V) | 12 | 24 | 28 | |
|----------------------|----------|-----|-----|-----|
| Coil Current (mA) | Failsafe | 350 | 200 | 180 |
| | Latching | 400 | 200 | 185 |

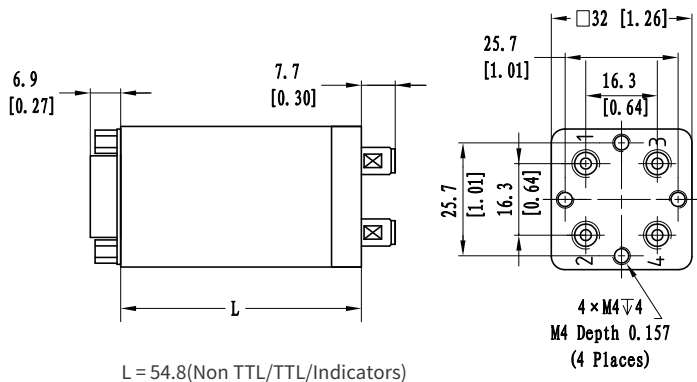
* It can be selected according to user requirements

| TTL | TTL Low(V) | TTL High | |
|-----|------------|----------|-------|
| | 0-0.3 | 3~5V | 1.4mA |

| Indicators | Withstand Voltage V (max) | Current capacity mA(max) | Resistance Ω (max) |
|------------|---------------------------|--------------------------|--------------------|
| | 50 | 100 | 15 |

* Connect VDC & GND before the function operates

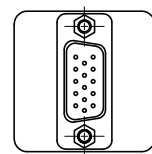
◆ Outline Drawing



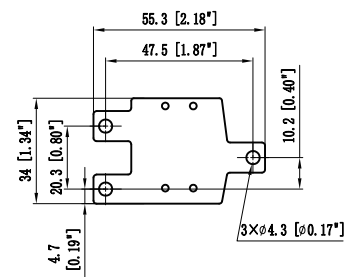
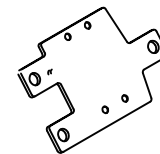
◆ Product Functions

- DC to 26.5GHz
- Low loss, Low VSWR, High Isolation
- SMA Connector
- Selectable TTL driver control

◆ Backplane



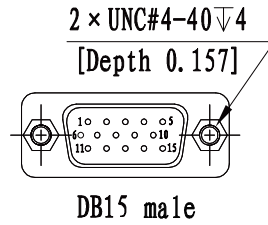
Unit: mm(Inch)



Unit: mm(Inch)

◆ Specifications

| | | |
|---|--|--|
| Switching Sequence: Break before Make | Mechanical Life Cycles: 2 million cycles | Mechanical Shock,Non-Operating: 50G、1/2 Sine、11 ms |
| Switching Time: 15ms max | RF Connectors: SMA Female | Vibration Operating: 20-2000 Hz、10G RMS |
| Storage temperature: -55°C~85°C | Impedance: 50Ω | Actuator Terminals: D-SUB 15Pin Male |
| Operating temperature: -25°C~65°C(Standard) | | Weight: 100g |
| -45°C~85°C(Extended1) | | |
| -55°C~85°C(Extended2) | | |

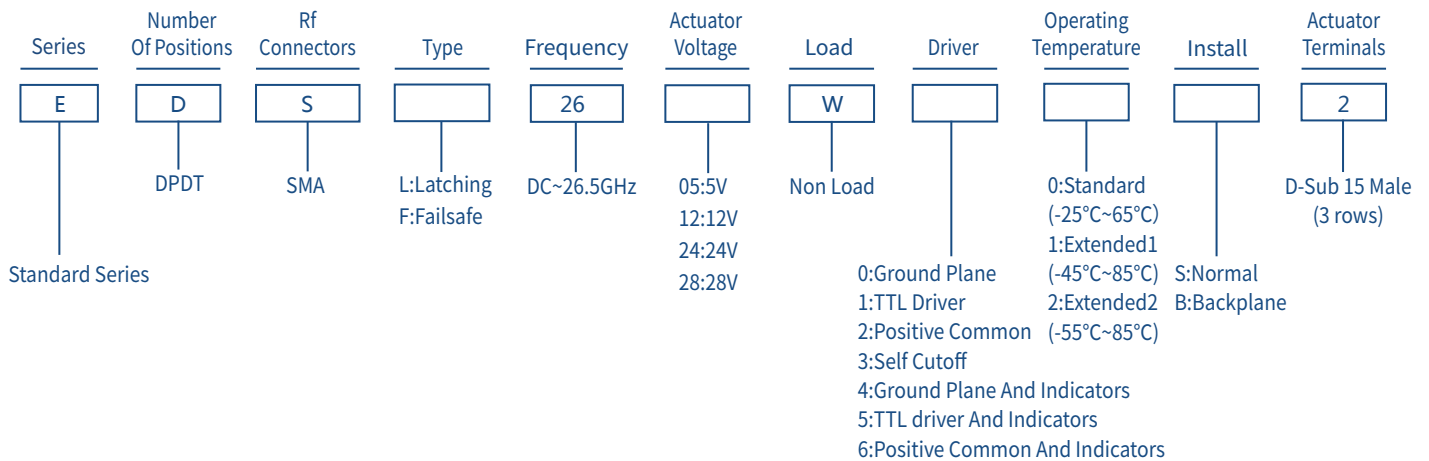


◆ Truth Table

| Failsafe Non TTL | | | Failsafe TTL | | |
|--------------------|---------|---------------------|--------------------|---------|---------------------|
| Actuator Terminals | | RF Connector | Actuator Terminals | | RF Connector |
| D-SUB 15Pin Male | | | D-SUB 15Pin Male | | |
| Pin No. | Define | No Power,RF 1-2,3-4 | Pin No. | Define | No Power,RF 1-2,3-4 |
| 1 | GND | - | 1 | VDC | - |
| 2 | V | RF 1-3,2-4 | 2 | GND | - |
| 3~11 | N/A | - | 3 | TTL | RF 1-3,2-4 |
| 12 | VDC | - | 4~12 | N/A | - |
| 13 | Ind.1 | Indicators | 13 | Ind.1 | RF 1-2,3-4 |
| 14 | Ind.2 | | 14 | Ind.2 | RF 1-3,2-4 |
| 15 | Ind.com | | 15 | Ind.com | - |

| Latching Non TTL | | | Latching TTL | | |
|--------------------|---------|--------------|--------------------|---------|--------------|
| Actuator Terminals | | RF Connector | Actuator Terminals | | RF Connector |
| D-SUB 15Pin Male | | | D-SUB 15Pin Male | | |
| Pin No. | Define | - | Pin No. | Define | - |
| 1 | V1 | RF 1-2,3-4 | 1 | VDC | - |
| 2 | V2 | RF 1-3,2-4 | 2 | GND | - |
| 3 | GND | - | 3 | TTL | RF 1-2,3-4 |
| 4~11 | N/A | - | 4 | TTL | RF 1-3,2-4 |
| 12 | VDC | - | 5~12 | N/A | - |
| 13 | Ind.1 | Indicators | 13 | Ind.1 | RF 1-2,3-4 |
| 14 | Ind.2 | | 14 | Ind.2 | RF 1-3,2-4 |
| 15 | Ind.com | | 15 | Ind.com | - |

◆ Product Selection



★ EXP: ED5L2605W00S2: Standard Series、DPDT、SMA、Latching、DC~26.5GHz、5V、Non Load、Ground Plane、Standard、Normal、D-Sub 15 Male.