

## SPDT Electromechanical Switch, Latching, DC to 18 GHz, SMA, Self Cutoff, TTL, Indicators, Solder Pins

### Electrical

|                                 |                                         |                  |                  |                  |
|---------------------------------|-----------------------------------------|------------------|------------------|------------------|
| Switch Type                     | SPDT, Reflective                        |                  |                  |                  |
| Actuator Type                   | Latching                                |                  |                  |                  |
| Switching Sequence              | Break before make                       |                  |                  |                  |
| Switching Time                  | 15 ms max                               |                  |                  |                  |
| Impedance                       | 50 Ohms                                 |                  |                  |                  |
| Frequency Range                 | DC-18 GHz                               |                  |                  |                  |
| *Nominal Actuating Voltage, Vdc | 12<br>(11 to 13)                        | 18<br>(16 to 20) | 24<br>(22 to 26) | 28<br>(26 to 30) |
| Actuating Current, mA           | 200                                     | 119              | 90               | 115              |
| TTL Control                     | On: 2.4 to 5 Volts, Off: 0 to 0.8 Volts |                  |                  |                  |
| Indicator Rating                | 1 Watts / 50 Volts / 100 mA             |                  |                  |                  |



|                         |      |      |       |
|-------------------------|------|------|-------|
| Frequency (GHz)         | DC-6 | 6-12 | 12-18 |
| VSWR (max)              | 1.2  | 1.3  | 1.4   |
| Insertion Loss dB (max) | 0.20 | 0.25 | 0.40  |
| Isolation dB (min)      | 70   | 70   | 60    |

### Environmental & Mechanical

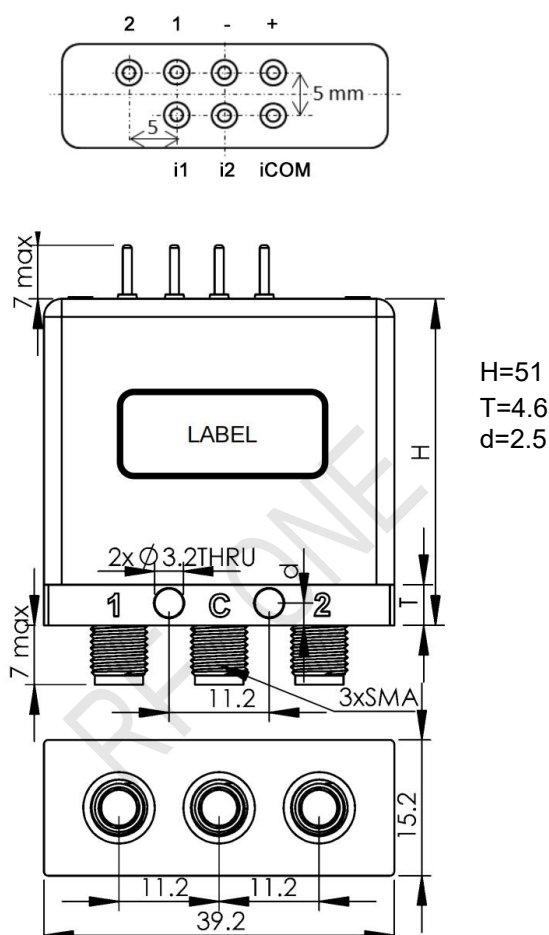
|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Operating Temperature        | -25°C~+65°C                                                  |
| Storage Temperature          | -55°C~+85°C                                                  |
| Shock (Designed to meet)     | MIL-STD-202 Method 213, Condition D, 500G (Non Operating)    |
| Vibration (Designed to meet) | MIL-STD-202 Method 214, Condition D, 10G RMS (Non Operating) |
| Operating Life               | 3 Million Cycles Minimum                                     |
| RF Connector                 | SMA Female                                                   |
| Actuator Terminals           | Solder pins                                                  |
| Weight                       | About 70g                                                    |

### Notes

\*For model RS2-S18LXX-TI, replace the XX with the desired Actuator Voltage. Example: RS2-S18L12-TI for 12 Volts.

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**Drawing** (unit: mm, tolerance +/-0.5mm)



## **Schematic**

