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SERIE : DPDT

PART NUMBER : R577443005LP

## RF CHARACTERISTICS

Frequency range : 0 - 18 GHz  
Impedance : 50 Ohms

| Frequency (GHz)    | DC - 3  | 3 - 8   | 8 - 12.4 | 12.4 - 18 |
|--------------------|---------|---------|----------|-----------|
| VSWR max           | 1.20    | 1.30    | 1.40     | 1.50      |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB  | 0.50 dB   |
| Isolation min      | 80 dB   | 70 dB   | 65 dB    | 60 dB     |
| Average power (*)  | 240 W   | 150 W   | 120 W    | 100 W     |

| Passive intermodulation   |                                |
|---------------------------|--------------------------------|
| Tone 1                    | 1810 MHz, approximately 43 dBm |
| Tone 2                    | 1850 MHz, approximately 43 dBm |
| 3 <sup>rd</sup> order PIM | - 160 dBc at 1770 MHz          |

Depending on application, carrier powers and frequencies, PIM measurements can vary.  
PIM testing is not measured during product acceptance test.

## ELECTRICAL CHARACTERISTICS

Actuator : LATCHING  
Nominal current \*\* : 125 mA  
Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON  
Terminals : 9 pins D-SUB male connector  
Indicator rating : 1 W / 30 V / 100 mA

## MECHANICAL CHARACTERISTICS

Connectors\*\*\*\*\* : SMA female per MIL-C 39012  
Life : 2 million cycles  
Switching Time\*\*\* : < 15 ms  
Construction : Splashproof  
Weight : < 100 g

## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°C  
Storage temperature range : -55°C to +85°C

- (\*) Average power at 25°C per RF Path)  
(\*\*) At 25° C ±10%)  
(\*\*\*) Nominal voltage ; 25° C)  
(\*\*\*\*) Recommended mating torque: 80-120 N.cm)



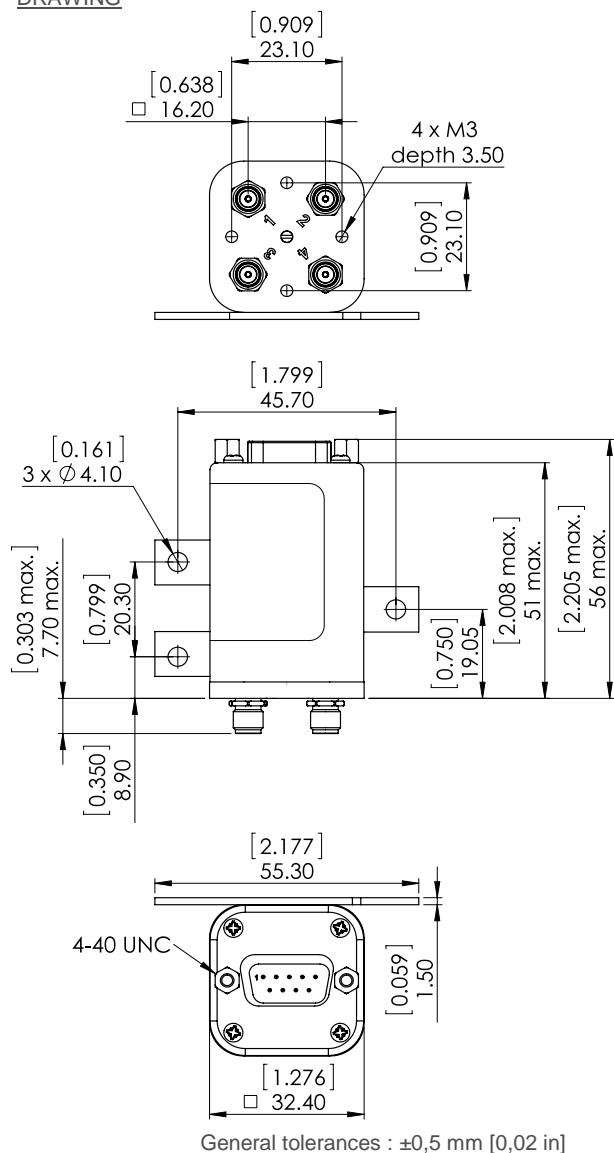
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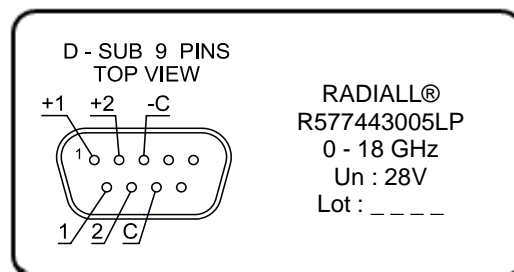
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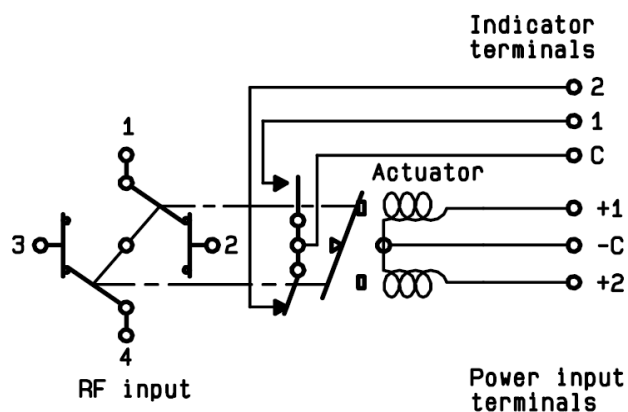
DRAWING



**LABEL**



SCHEMATIC DIAGRAM



| Voltage | RF Continuity | Ind. |
|---------|---------------|------|
| -C +1   | 1 ↔ 3 / 2 ↔ 4 | C.1  |
| -C +2   | 1 ↔ 2 / 3 ↔ 4 | C.2  |