# Technical Data Sheet

SP8T Terminated Ramses SMA 26.5GHz Normally open 28Vdc Positive common Pins Terminals

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|---|---|---|---|

## RF CHARACTERISTICS

| | |
|---|---|
| Number of ways | : **8** |
| Frequency range | : **0 - 26.5 GHz** |
| Impedance | : **50 Ohms** |

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 16 | 16 - 18 | 18 - 22 | 22 - 26.5 |
|---|---|---|---|---|---|---|---|
| VSWR max | 1,20 | 1,30 | 1,40 | 1,50 | 1,60 | 1,70 | 2,00 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.55 dB | 0.60 dB | 0.70 dB | 1.10 dB |
| Isolation min | 80 dB | 70 dB | 60 dB | 60 dB | 60 dB | 60 dB | 55 dB |
| Average power (*) | 240 W | 150 W | 120 W | 110 W | 100 W | 90 W | 40 W |

| | |
|---|---|
| TERMINATION IMPEDANCE | : **50 Ohms** |
| TERM. AVG. POWER AT 25° C | : **1 W per termination / 3 W total power** |

## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Actuator | : **NORMALLY OPEN** |
| Nominal current ** | : **102 mA** |
| Actuator voltage (Vcc) | : **28V (24 to 30V) / POSITIVE COMMON** |
| Terminals | : **solder pins (250°C max. / 30 sec.)** |

## MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Connectors | : **SMA female per MIL-C 39012** |
| Life | : **2 million cycles per position** |
| Switching Time*** | : **< 15 ms** |
| Construction | : **Splashproof** |
| Weight | : **< 280 g** |

## ENVIRONMENTAL CHARACTERISTICS

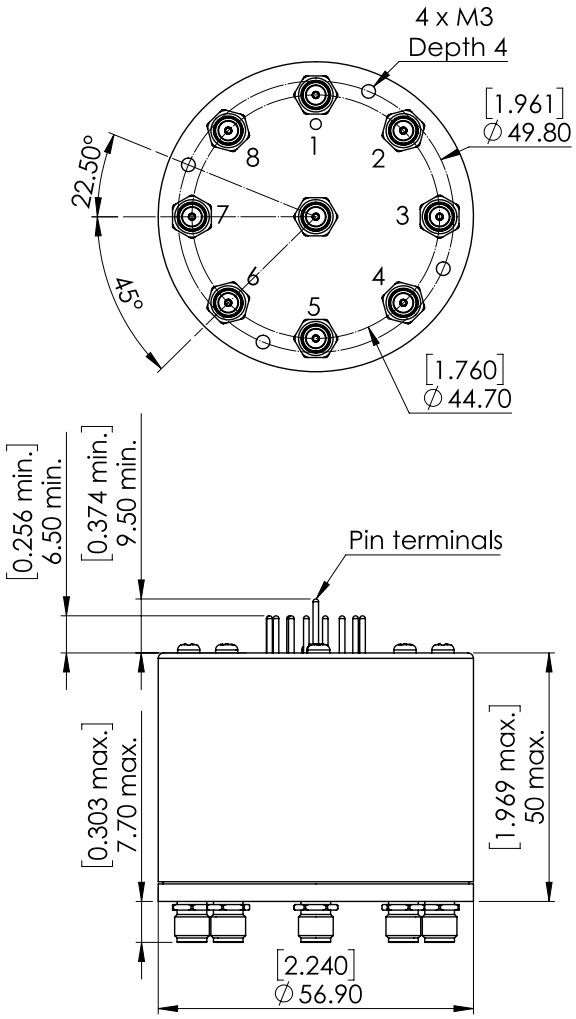
| | |
|---|---|
| Operating temperature range | : **-40°C to +85°C** |
| Storage temperature range | : **-55°C to +85°C** |

(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)

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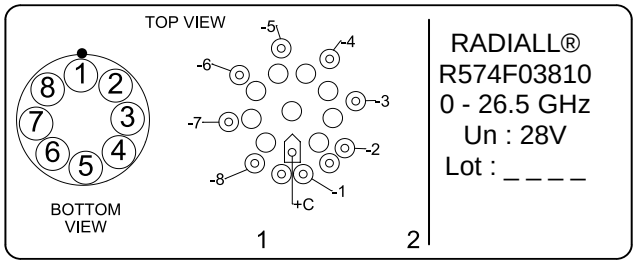
DRAWING



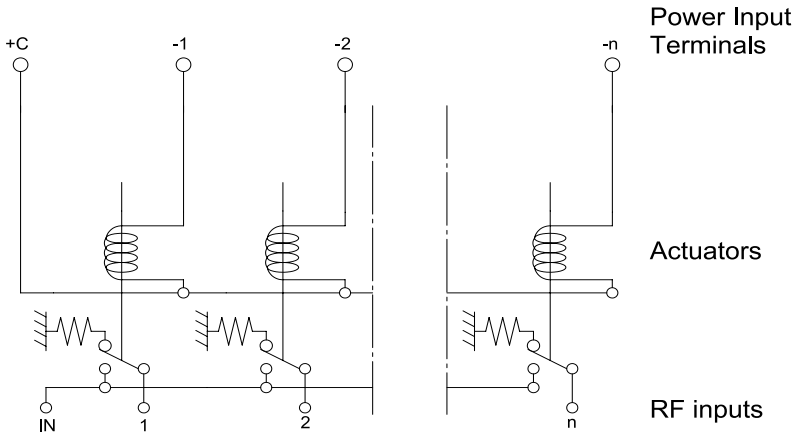

General tolerances : ±0,5 mm [0,02 in]

| Voltage | RF Continuity |
|---|---|
| +C -1 | IN ↔ 1 |
| +C -2 | IN ↔ 2 |
| +C -3 | IN ↔ 3 |
| +C -4 | IN ↔ 4 |
| +C -5 | IN ↔ 5 |
| +C -6 | IN ↔ 6 |
| +C -7 | IN ↔ 7 |
| +C -8 | IN ↔ 8 |

LABEL




SCHEMATIC DIAGRAM




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