Technical Data Sheet



SP3T Ramses SMA 18GHz Normally open Indicators 28Vdc Positive common Diodes D-sub connector

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573413345

RF CHARACTERISTICS

Number of ways : 3

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 | 60 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W | 100 W |

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 5 million cycles per position

Switching Time*** : <15 ms

Construction : Splashproof

Weight : < 220 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)



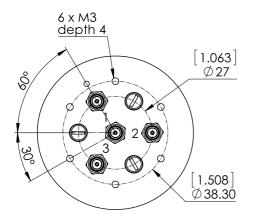




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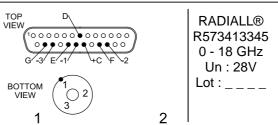
DRAWING



| Voltage | RF Continuity | Ind. |
|---------|------------------------|------|
| +C -1 | $IN \leftrightarrow 1$ | D.E |
| +C -2 | $IN \leftrightarrow 2$ | D.F |
| +C -3 | $IN \leftrightarrow 3$ | D.G |

25 pins D-SUB male connector 4-40 UNC [2.618 max.] 66.50 max. [2.421 max.] 61.50 max. [0.303 max.] 7.70 max. 2.244 \emptyset 57

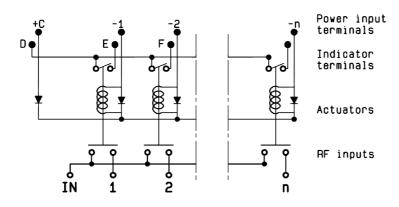
General tolerances: ±0,5 mm [0,02 in]



LABEL



SCHEMATIC DIAGRAM



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