# **Technical Data Sheet**



SP6T Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc Diodes D-sub connector

PAGE 1/2 ISSUE 11-04-17 SERIE : SPnT PART NUMBER : R573493605

### RF CHARACTERISTICS

Number of ways : 6

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 : LATCHING
Nominal current \*\* : 375 mA

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

Terminals : 25 pins D-SUB male connector

 $\begin{array}{ll} \text{Indicator rating} & : 1 \text{ W} / 30 \text{ V} / 100 \text{ mA} \\ \text{Self cut-off time} & : 40 \text{ ms} < \text{CT} < 120 \text{ ms} \end{array}$ 

## MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 40 msConstruction : 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)



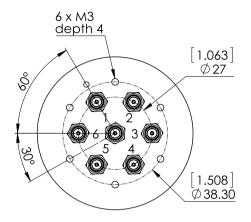




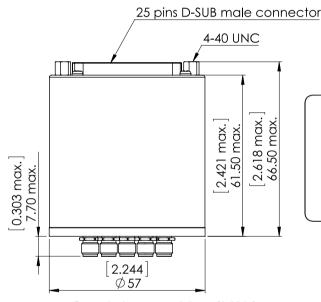
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PAGE 2/2 ISSUE 11-04-17 SERIE : SPnT PART NUMBER : R573493605

### **DRAWING**



Voltage	RF Continuity	Ind.
-C +1	IN ↔ 1	D.E
-C +2	$IN \leftrightarrow 2$	D.F
-C +3	IN ↔ 3	D.G
-C +4	IN ↔ 4	D.H
-C +5	IN ↔ 5	D.I
-C +6	$IN \leftrightarrow 6$	D.J

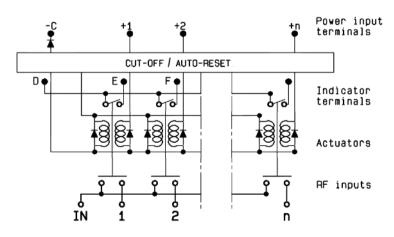


# LABEL TOP J +66 D F +2 /H +4 1000 000 000 000 000 1 +5 / E / +1 / C G +3 BOTTOM 1 2 VIEW 6 3 5 4 1 2 1 2



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

### SCHEMATIC DIAGRAM



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