Technical Data Sheet



SP4T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 12Vdc

TTL Diodes Pins Terminals

PAGE 1/2 ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R573482420**

RF CHARACTERISTICS

Number of ways

Frequency range : 0 - 18 GHz : 50 Ohms Impedance

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

: LATCHING Actuator Nominal current ** : 640 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

: solder pins (250°C max. / 30 sec.) **Terminals**

Self cut-off time : 40 ms < CT < 120 ms

TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA at 5.5 V

- Low level : 0 to 0.8 V / 20µA at 0.8 V

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 40 ms Construction : Splashproof Weight : < 220 g

ENVIRONMENTAL CHARACTERISTICS

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

Average power at 25°C per RF Path)

At 25° C ±10%)

Nominal voltage; 25° C)



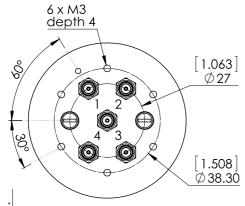




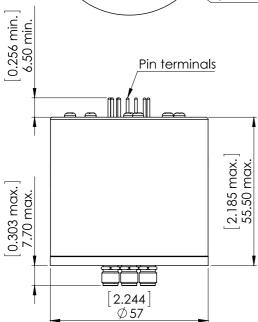
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DRAWING

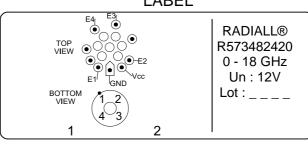


TTL input	RF Continuity	
E1 = 1	IN ↔ 1	
E2 = 1	$IN \leftrightarrow 2$	
E3 = 1	$IN \leftrightarrow 3$	
E4 = 1	$IN \leftrightarrow 4$	



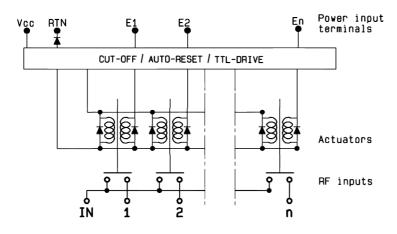


LABEL





SCHEMATIC DIAGRAM



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