## **Technical Data Sheet**



SPDT Ramses N 3GHz Latching 28Vdc TTL Diodes D-sub connector

PAGE 1/2 ISSUE 15.05.15 SERIE : SPDT PART NUMBER : R570033105

#### RF CHARACTERISTICS

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 1	1 - 2	2 - 3
VSWR max	1.15	1.20	1.25
Insertion loss max	0.15 dB	0.20 dB	0.25 dB
Isolation min	85 dB	80 dB	75 dB
Average power (*)	700 W	500 W	400 W

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 125 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

Terminals : 9 pins D-SUB male connector
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 : N female per MIL-C 39012

Life : 2.5 million cycles

Switching Time\*\*\* : <15 ms

Construction : Splashproof

Weight : <185 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)

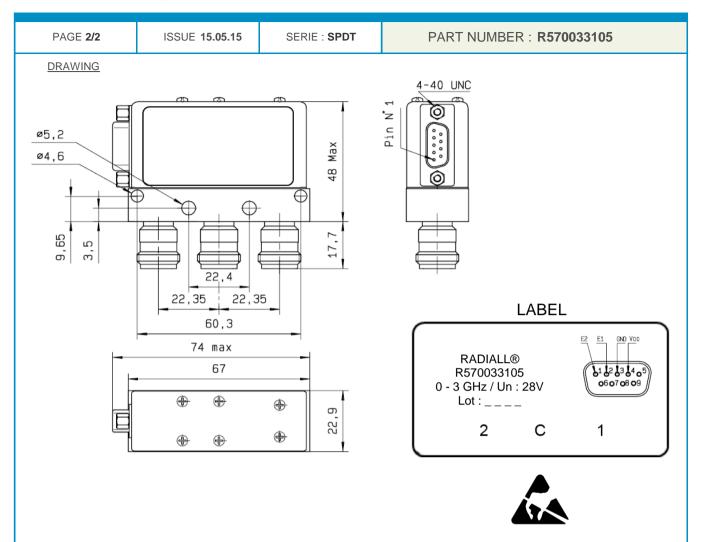


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## **Technical Data Sheet**

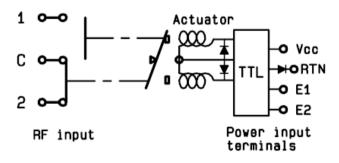


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General tolerances: ±0.5 mm

### SCHEMATIC DIAGRAM



TTL input	RF Continuity	
E1=1 / E2=0	C ↔ 1	
E1=0 / E2=1	$C \leftrightarrow 2$	
E1=0 / E2=0	Memory	
E1=1 / E2=1	Forbidden	

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