Technical Data Sheet



SPDT Ramses SMA 18GHz Latching Self-cut-off Indicators 28Vdc

TTL Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPDT PART NUMBER : R570463100

RF CHARACTERISTICS

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.10	1.20	1.20	1.40
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB
Isolation min	80 dB	75 dB	65 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 80 mA

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

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

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

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 : 10 million cycles

Switching Time*** : < 10 ms

Construction : Splashproof

Weight : < 45 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)

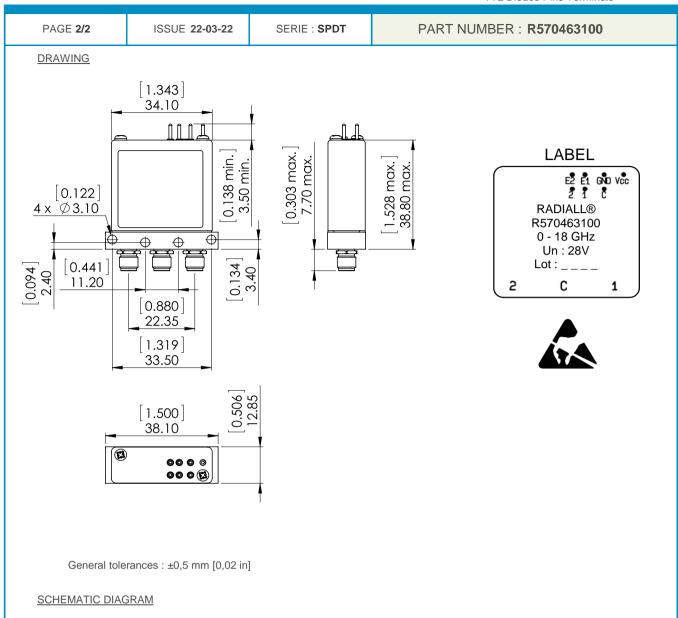


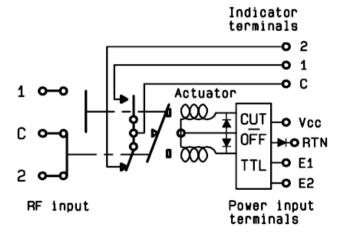




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TTL input	RF Continuity	Ind.
E1=1 / E2=0	$C \leftrightarrow 1$	C.1
E1=0 / E2=1	$C \leftrightarrow 2$	C.2
E1=0 / E2=0	Memory	-
E1=1 / E2=1	Forbidden	-

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