Technical Data Sheet



SPDT Ramses N 3GHz Latching Self-cut-off Indicators 28Vdc TTL
Diodes Pins Terminals

SERIE: SPDT PART NUMBER: R570063100

RF CHARACTERISTICS

PAGE 1/2

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

ISSUE 06-02-18

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 : solder pins (250°C max. / 30 sec.)

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

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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PAGE 2/2 ISSUE 06-02-18 SERIE : SPDT PART NUMBER : R570063100

DRAWING

[0.205]
2 x Ø 5.20

[0.181]
2 x Ø 4.60

[0.880] [0.880] 22.35 [2.374] 60.30 [2.638] 67

[0.882]

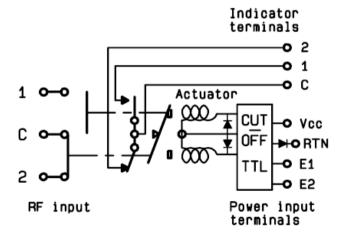
[0.380] 9.65

LABEL E2 E1GND Vcc 2 1 C RADIALL® R570063100 0 - 3 GHz / Un : 28V Lot : ____ 2 C 1



General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



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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