



SP5T Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc TTL Drive Diodes Solder pins

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RF CHARACTERISTICS

Number of ways : 5

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)

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

 $\label{eq:localization} \mbox{Indicator rating} \qquad \qquad : \mbox{1 W / 30 V / 100 mA} \\ \mbox{Self cut-off time} \qquad \qquad : \mbox{40 ms} < \mbox{CT} < \mbox{120 ms} \\ \mbox{}$

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 : 5.000.000 cycles per position

Switching Time*** : < 40 ms Construction : 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)



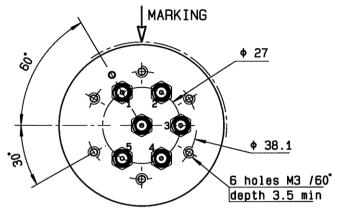




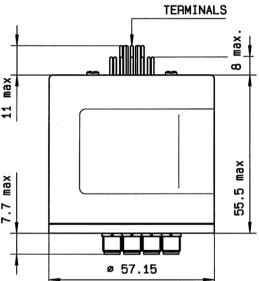
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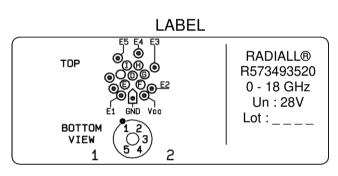
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DRAWING



TTL input	RF Continuity	Ind.
E1 = 1	$IN \leftrightarrow 1$	D.E
E2 = 1	$IN \leftrightarrow 2$	D.F
E3 = 1	$IN \leftrightarrow 3$	D.G
E4 = 1	$IN \leftrightarrow 4$	D.H
E5 = 1	IN ↔ 5	D.I

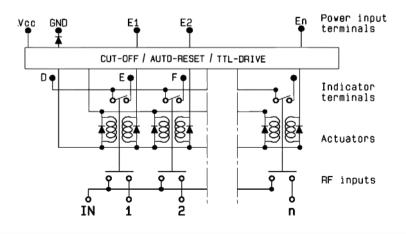






General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM



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