Technical Data Sheet



SP4T Terminated Ramses SMA2.9 40GHz Latching Self-cut-off Auto-reset Indicators 28Vdc Positive common Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 4

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1,30	1,40	1,50	1,70	2,20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 250 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON

Terminals : 25 pins D-SUB male connector

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

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : < 40 ms

Construction : Splashproof

Weight : < 250 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)



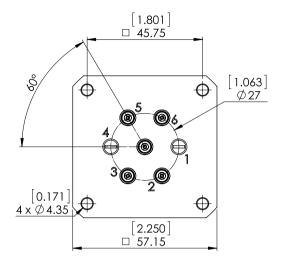




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DRAWING



Voltage	RF Continuity	Ind.
+C -2	$IN \leftrightarrow 2$	D.H
+C -3	$IN \leftrightarrow 3$	D.I
+C -5	$IN \leftrightarrow 5$	D.E
+C -6	$IN \leftrightarrow 6$	D.F

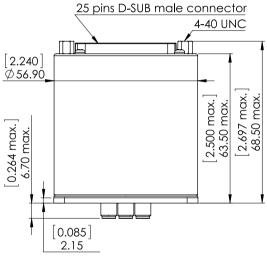
RADIALL®

R574893415

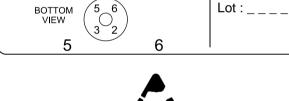
0 - 40 GHz Un : 28V

LABEL

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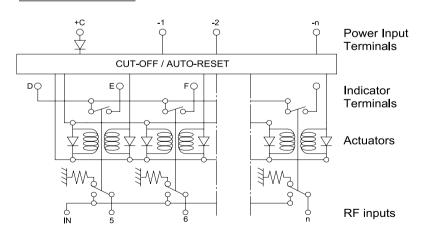
General tolerances: ±0,5 mm [0,02 in]



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TOP VIEW

SCHEMATIC DIAGRAM



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