Technical Data Sheet



SP6T Terminated Ramses N 12.4GHz Latching Self-cut-off Auto-reset Indicators 28Vdc TTL Diodes D-sub connector

PAGE 1/2 ISSUE 06-02-18 SERIE : SPnT PART NUMBER : R574193625

RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1.20	1.35	1.50
Insertion loss max	0.20 dB	0.35 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	400 W	250 W	200 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 ** : 375 mA

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

Terminals : 25 pins D-SUB male connector

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

TTL inputs (E) - High level : 2.2 to 5.5 V / 800 μ A at 5.5 V - Low level : 0 to 0.8 V / 20 μ A at 0.8 V

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 40 ms Construction : Splashproof Weight : < 460 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)



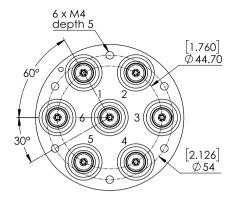




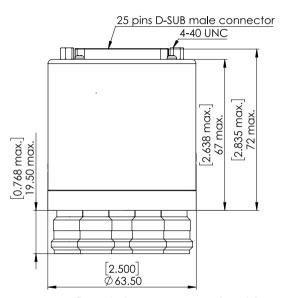
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PAGE 2/2 ISSUE 06-02-18 SERIE : SPnT PART NUMBER : R574193625

DRAWING

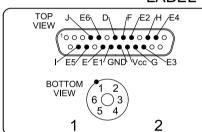


TTL input	RF Continuity	Ind.
E1 = 1	IN ↔ 1	D.E
E2 = 1	$IN \leftrightarrow 2$	D.F
E3 = 1	IN ↔ 3	D.G
E4 = 1	IN ↔ 4	D.H
E5 = 1	IN ↔ 5	D.I
E6 = 1	IN ↔ 6	D.J



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

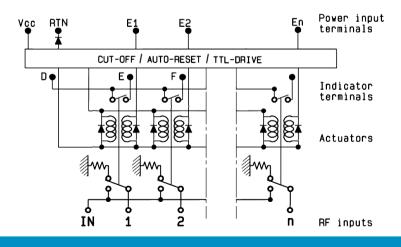
LABEL



RADIALL® R574193625 0 - 12.4 GHz Un : 28V Lot : ____



SCHEMATIC DIAGRAM



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