Technical Data Sheet



SP10T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc TTL Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 10

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15.5	15.5 - 18
VSWR max	1.20	1.30	1.40	1.50	1.70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	55 dB
Average power (*)	240 W	150 W	120 W	110 W	100 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 ** : 500 mA

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

Terminals : 25 pins D-SUB male connector

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

TTL inputs (E) - High level : $2.2 \text{ to } 5.5 \text{ V} / 800 \mu\text{A} \text{ at } 5.5 \text{ V}$ - Low level : $0 \text{ to } 0.8 \text{ V} / 20 \mu\text{A} \text{ at } 0.8 \text{ V}$

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 50 msConstruction : Splashproof
Weight : < 360 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)



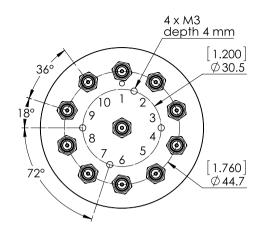




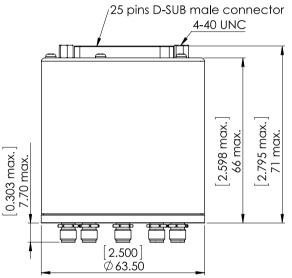
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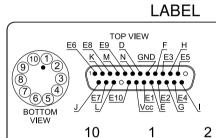
DRAWING



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
E6 = 1	IN ↔ 6	D.J
E7 = 1	$IN \leftrightarrow 7$	D.K
E8 = 1	IN ↔ 8	D.L
E9 = 1	IN ↔ 9	D.M
E10 = 1	IN ↔ 10	D.N



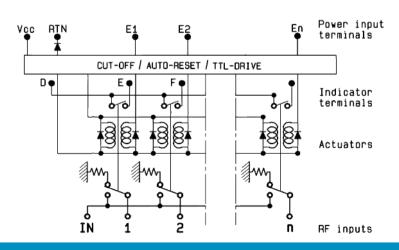
General tolerances: ±0,5 mm [0,02 in]



RADIALL® R574493025 0 - 18 GHz Un : 28V Lot : ____



SCHEMATIC DIAGRAM



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