



SP8T Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc BCD TTL Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573493880

RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 16	16 - 18
VSWR max	1.20	1.30	1.40	1.50	1.60
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.55 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	110 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.)

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

BCD inputs (E) - High level : 3.5 to 5.5 V / 800μA at 5.5 V - Low level : 0 to 1.5 V / 20μA at 0.8 V

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 50 msConstruction : Splashproof
Weight : < 280 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)



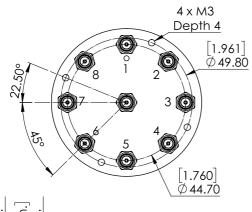




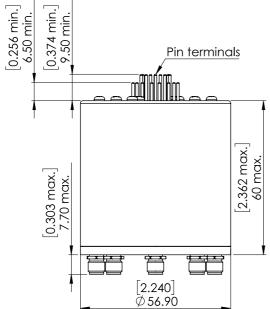
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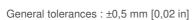
PAGE 2/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573493880

DRAWING

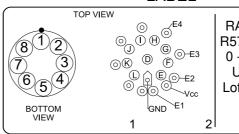


BCD TRUTH TABLE							
E4	E3	E2	E1	RF continuity	Ind.		
0	0	0	0	All ports open (Forced Reset)			
0	0	0	1	$IN \leftrightarrow 1$	D.E		
0	0	1	0	$IN \leftrightarrow 2$	D.F		
0	0	1	1	$IN \leftrightarrow 3$	D.G		
0	1	0	0	$IN \leftrightarrow 4$	D.H		
0	1	0	1	$IN \leftrightarrow 5$	D.I		
0	1	1	0	$IN \leftrightarrow 6$	D.J		
0	1	1	1	$IN \leftrightarrow 7$	D.K		
1	0	0	0	$IN \leftrightarrow 8$	D.L		





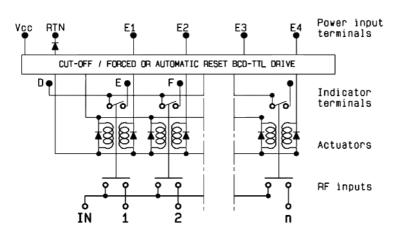
LABEL



RADIALL® R573493880 0 - 18 GHz Un : 28V Lot : ____



SCHEMATIC DIAGRAM



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