Technical Data Sheet



DPDT Ramses Low PIM N 12.4GHz Failsafe Indicators 28Vdc TTL

Diodes D-sub connector with bracket

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577123105LP

RF CHARACTERISTICS

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 1	1 - 2	2 - 3	3 - 8	8 - 12.4
VSWR max	1.15	1.20	1.25	1.35	1.50
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB	0.50 dB
Isolation min	85 dB	80 dB	75 dB	70 dB	60 dB
Average power (*)	700 W	500 W	400 W	250 W	200 W

	Passive intermodulation		
Tone 1	1810 MHz, approximately 43 dBm		
Tone 2	1850 MHz, approximately 43 dBm		
3 rd order PIM	- 160 dBc at 1770 MHz		

Depending on application, carrier powers and frequencies, PIM measurements can vary. PIM testing is not measured during product acceptance test.

ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE
Nominal current ** : 140 mA

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

Terminals : 9 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

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***** : N female per MIL-C 39012

Life : 2 million cycles

Switching Time*** : < 15 ms

Construction : Splashproof

Weight : < 215 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°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)

(***** Recommended mating torque: 300 N.cm)



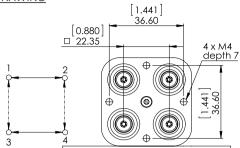


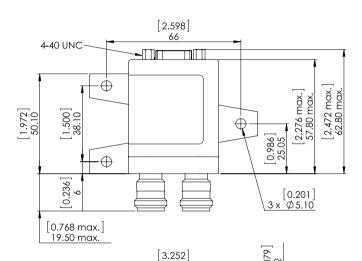


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DRAWING



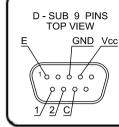


[1.748]

General tolerances: ±0,5 mm [0,02 in]

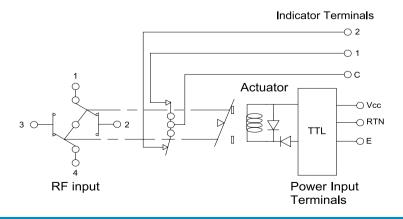


LABEL



RADIALL® R577123105LP 0 - 12.4 GHz Un : 28V Lot : ____

SCHEMATIC DIAGRAM



TTL input	RF Continuity	Ind.
E = 1	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$	C.1
E = 0	$1 \leftrightarrow 2 \ / \ 3 \leftrightarrow 4$	C.2

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