



DPDT Ramses N 12.4GHz Latching Self-cut-off 12Vdc TTL Diodes

Pins Terminals with bracket

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# 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

### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 320 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

Terminals : solder pins (250°C max. / 30 sec.)

Self cut-off time : 40 ms < CT < 120 ms

TTL inputs (E) - High level : 2.2 to 5.5 V /  $800\mu A$  at 5.5 V

- Low level : 0 to 0.8 V / 20 $\mu$ A at 0.8 V

## MECHANICAL CHARACTERISTICS

Connectors : N female per MIL-C 39012

Life : 2.5 million cycles

## **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)





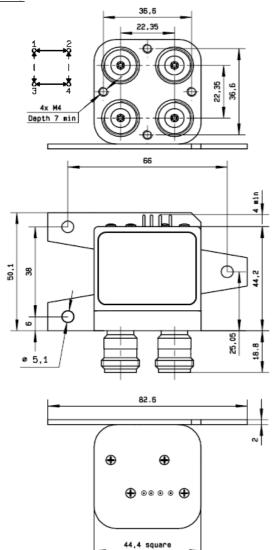


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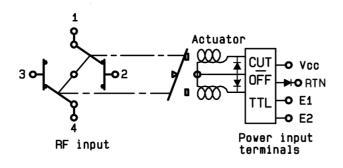
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### **DRAWING**



General tolerances: ±0,5 mm [0,02 in]

# SCHEMATIC DIAGRAM





# LABEL

RADIALL® R577152100 0 - 12.4 GHz

E1 E2 GND Vcc

Un : 12V Lot : \_ \_ \_ \_

 TTL input
 RF Continuity

 E1=1 / E2=0
  $1 \leftrightarrow 3$  /  $2 \leftrightarrow 4$  

 E1=0 / E2=1
  $1 \leftrightarrow 2$  /  $3 \leftrightarrow 4$  

 E1=0 / E2=0
 Memory

 E1=1 / E2=1
 Forbidden