

R577212000 Datasheet

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DiGi Electronics Part Number	R577212000-DG
Manufacturer	Radiall USA, Inc.
Manufacturer Product Number	R577212000
Description	IC RF SWITCH DPDT 3GHZ
Detailed Description	RF Switch IC General Purpose DPDT 500hm

This model R577212000 is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

R577212000

Series:

-

RF Type:

General Purpose

Circuit:

DPDT

Isolation:

75dB (min)

Test Frequency:

3GHz

IIP3:

-

Impedance:

50Ohm

Operating Temperature:

-40°C ~ 85°C

Supplier Device Package:

-

Manufacturer:

Radiall USA, Inc.

Product Status:

Active

Topology:

-

Frequency Range:

0Hz ~ 3GHz

Insertion Loss:

0.25dB (max)

P1dB:

-

Features:

-

Voltage - Supply:

10.2V ~ 13V

Package / Case:

Module

Environmental & Export classification

Moisture Sensitivity Level (MSL):

Not Applicable

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RF CHARACTERISTICS

Frequency range : **0 - 3 GHz**
 Impedance : **50 Ohms**

Frequency (GHz)	DC - 1	1 - 2	2 - 3
VSWR max	1.15	1.20	1.25
Insertion loss max	0.15 dB	0.20 dB	0.25 dB
Isolation min	85 dB	80 dB	75 dB
Average power (*)	400 W	300 W	240 W

ELECTRICAL CHARACTERISTICS

Actuator : **FAILSAFE**
 Nominal current ** : **340 mA**
 Actuator voltage (Vcc) : **12V (10.2 to 13V)**
 Terminals : **solder pins (250°C max. / 30 sec.)**

MECHANICAL CHARACTERISTICS

Connectors : **BNC female per MIL-C 39012**
 Life : **2.5 million cycles**
 Switching Time*** : **< 15 ms**
 Construction : **Splashproof**
 Weight : **< 215 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)



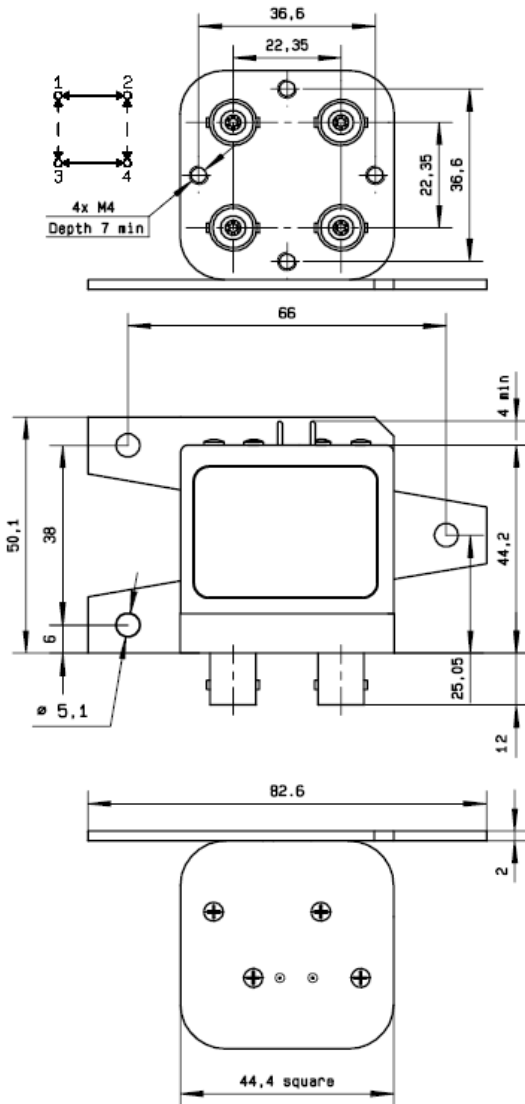
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SERIE : DPDT

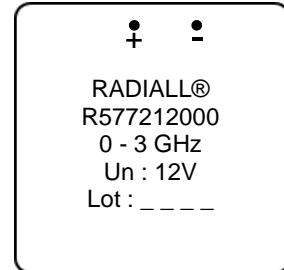
PART NUMBER : R577212000

DRAWING



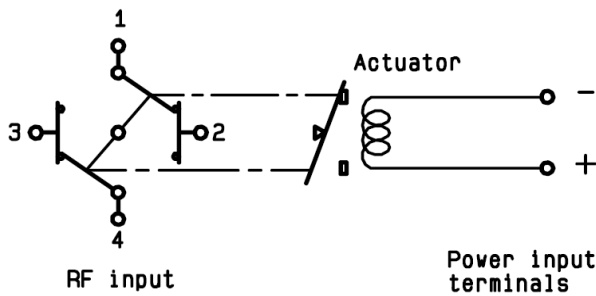
General tolerances : ±0,5 mm [0,02 in]

LABEL



SCHEMATIC DIAGRAM

Position : De energized



Voltage	RF Continuity
energized	1 ↔ 3 / 2 ↔ 4
De-energized	1 ↔ 2 / 3 ↔ 4

OUR CERTIFICATE

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