

R574393400 Datasheet



DiGi Electronics Part Number	R574393400-DG
Manufacturer	Radiall USA, Inc.
Manufacturer Product Number	R574393400
Description	IC RF SWITCH SP4T 3GHZ
Detailed Description	RF Switch IC General Purpose SP4T 50Ohm

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Manufacturer Product Number:

R574393400

Series:

SPnT

RF Type:

General Purpose

Circuit:

SP4T

Isolation:

80dB (min)

Test Frequency:

3GHz

IIP3:

-

Impedance:

50Ohm

Operating Temperature:

-40°C ~ 85°C

Supplier Device Package:

-

Manufacturer:

Radiall USA, Inc.

Product Status:

Obsolete

Topology:

-

Frequency Range:

0Hz ~ 3GHz

Insertion Loss:

0.2dB (max)

P1dB:

-

Features:

-

Voltage - Supply:

24V ~ 30V

Package / Case:

Module

Environmental & Export classification

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

OBSOLETE

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SERIE : SPnT

PART NUMBER : R574393400

RF CHARACTERISTICS

Number of ways : **4**
 Frequency range : **0 - 3 GHz**
 Impedance : **50 Ohms**

Frequency (GHz)	DC - 3
VSWR max	1,20
Insertion loss max	0.20 dB
Isolation min	80 dB
Average power (*)	240 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 ** : **250 mA**
 Actuator voltage (Vcc) : **28V (24 to 30V) / NEGATIVE COMMON**
 Terminals : **solder pins (250°C max. / 30 sec.)**
 Indicator rating : **1 W / 30 V / 100 mA**
 Self cut-off time : **40 ms < CT < 120 ms**

MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**
 Life : **2 million cycles per position**
 Switching Time*** : **< 40 ms**
 Construction : **Splashproof**
 Weight : **< 250 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)



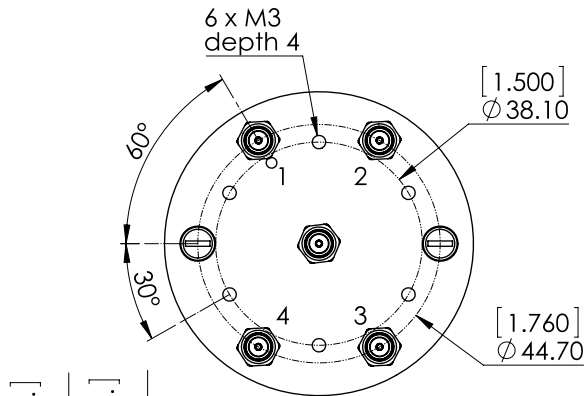
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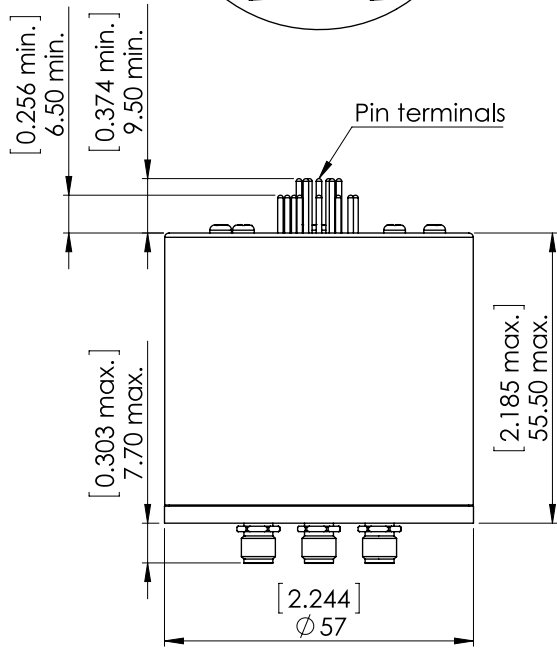
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DRAWING

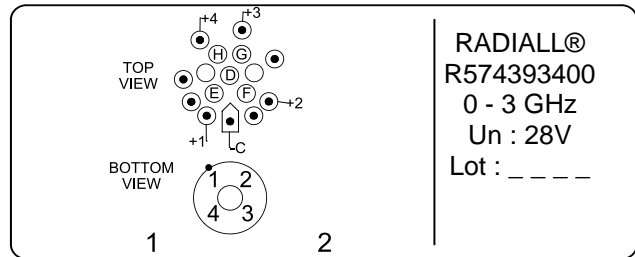


Voltage	RF Continuity	Ind.
-C +1	IN ↔ 1	D,E
-C +2	IN ↔ 2	D,F
-C +3	IN ↔ 3	D,G
-C +4	IN ↔ 4	D,H

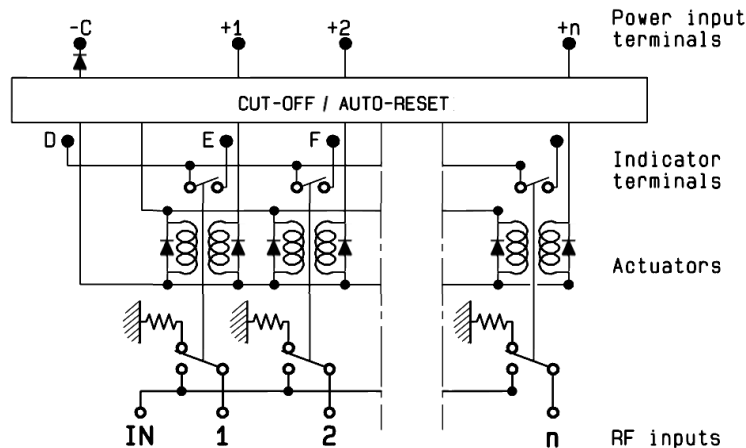


General tolerances : ±0,5 mm [0,02 in]

LABEL



SCHEMATIC DIAGRAM



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