PAGE **1/2**	ISSUE **28-06-16**	SERIE : **DPDT**	PART NUMBER : **R577432100LP**

RF CHARACTERISTICS

Frequency range   : **0 - 18 GHz**
Impedance   : **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	65 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

	Passive intermodulation
Tone 1	1810 MHz, approximately 43 dBm
Tone 2	1850 MHz, approximately 43 dBm
3rd 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   : **LATCHING**
Nominal current **   : 320 mA**
Actuator voltage (Vcc)   : **12V (10.2 to 13V)**
Terminals   : **solder pins (250°C max. / 30 sec.)**
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*****   : **SMA female per MIL-C 39012**
Life   : **2 million cycles**
Switching Time***   : **< 15 ms**
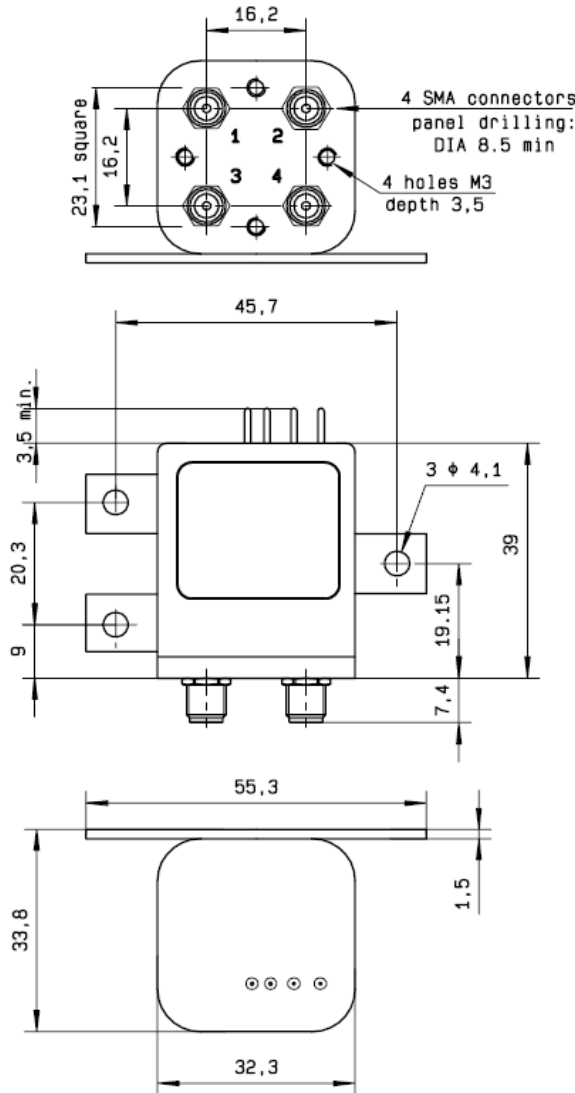Construction   : **Splashproof**
Weight   : **< 100 g**

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-25°C to +70°C**
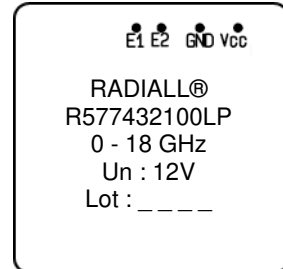Storage temperature range   : **-55°C to +85°C**

(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)
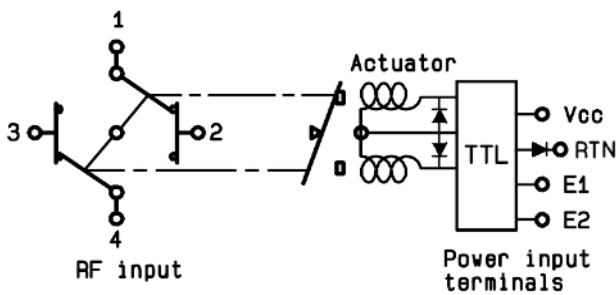(***** Recommended mating torque: 80-120 N.cm)

DRAWING

4 SMA connectors
panel drilling:
DIA 8.5 min

4 holes M3
depth 3,5

3 φ 4,1

LABEL

E1 E2 GND Vcc

RADIALL®
R577432100LP
0 - 18 GHz
Un : 12V
Lot : _ _ _ _

General tolerances : ±0.5 mm

SCHEMATIC DIAGRAM

Actuator

TTL

RF input

Power input
terminals

TTL input	RF Continuity
E1=1 / E2=0	1 ↔ 3 / 2 ↔ 4
E1=0 / E2=1	1 ↔ 2 / 3 ↔ 4
E1=0 / E2=0	Memory
E1=1 / E2=1	Forbidden