PAGE **1/2**	ISSUE **11-04-17**	SERIE : **DPDT**	PART NUMBER : **R577423100LP**

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	: **FAILSAFE**	
Nominal current **	: **140 mA**	
Actuator voltage (Vcc)	: **28V (24 to 30V)**	
Terminals	: **solder pins (250°C max. / 30 sec.)**	
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***** : **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)
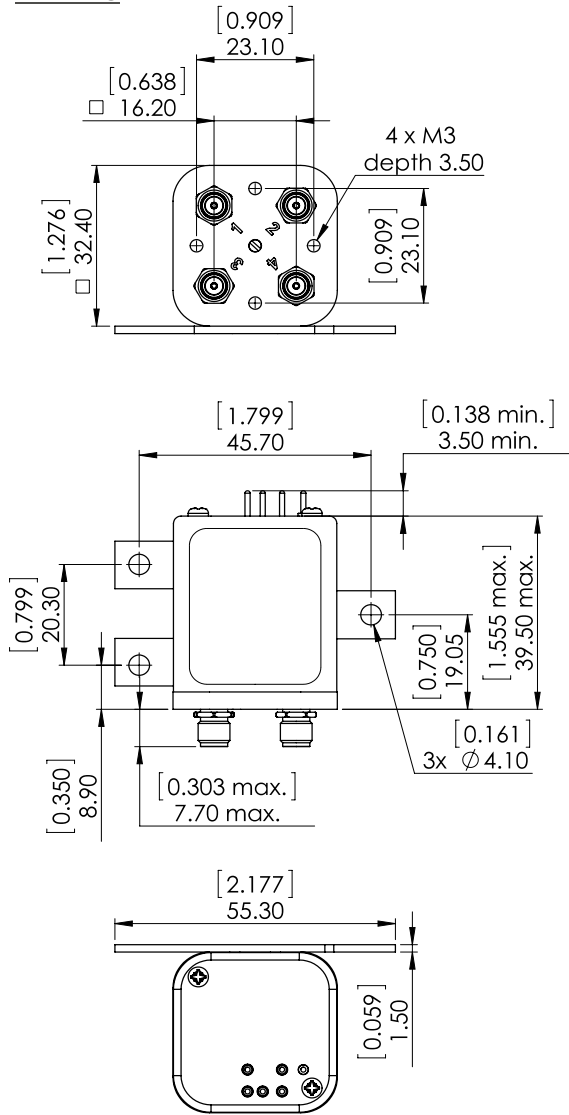
(***** Recommended mating torque: 80-120 N.cm)

RoHS COMPLIANT

DRAWING

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

LABEL

RADIALL®
R577423100LP
0 - 18 GHz
Un : 28V
Lot : _ _ _ _
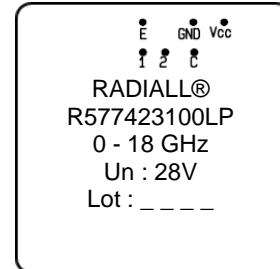
SCHEMATIC DIAGRAM

Position : De energized

Indicator terminals

Actuator

RF input

Power input terminals
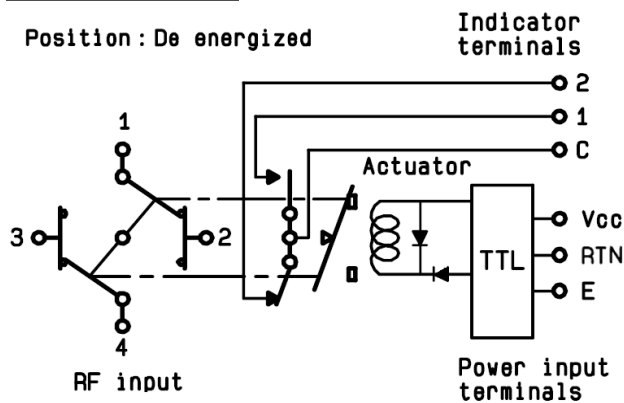
TTL input	RF Continuity	Ind.
E = 1	1 ↔ 3 / 2 ↔ 4	C.1
E = 0	1 ↔ 2 / 3 ↔ 4	C.2