Technical Data Sheet



SPDT Ramses Low PIM SMA 18GHz Failsafe 28Vdc Diodes Pins Terminals

PAGE 1/2 ISSUE 11-04-17 SERIE : SPDT PART NUMBER : R570413030LP

RF CHARACTERISTICS

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.10	1.20	1.20	1.40
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB
Isolation min	80 dB	75 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		
3 rd 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 ** : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

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

MECHANICAL CHARACTERISTICS

Connectors***** : SMA female per MIL-C 39012

Life : 2 million cycles
Switching Time*** : < 10 ms
Construction : Splashproof
Weight : < 45 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)



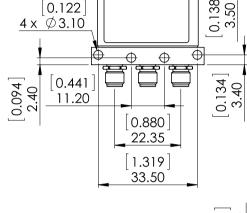
This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

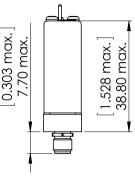
Technical Data Sheet

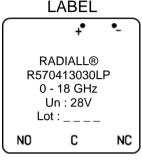


SPDT Ramses Low PIM SMA 18GHz Failsafe 28Vdc Diodes Pins Terminals

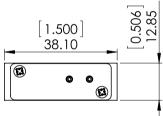
PAGE **2/2** ISSUE 11-04-17 SERIE: SPDT PART NUMBER: R570413030LP **DRAWING** [1.343] 34.10 [0.303 max.] 7.70 max. **LABEL** [0.138 min.] 3.50 min. 0.122 **RADIALL®** 4 x \ ∅ 3.10







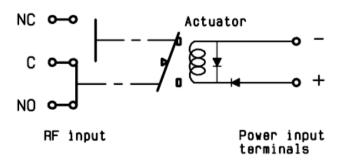




General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM

Position Energized:



Voltage	RF Continuity	
De-energized	$C \leftrightarrow NC$	
energized	$C \leftrightarrow NO$	

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Coaxial Switches category:

Click to view products by Radiall manufacturer:

Other Similar products are found below:

CR-53S10 R599311000 R599906000 R599910000 CCT-38S150-T CR-58S160 MS180LH3-HRMJ-040V300A R599312000 R512F73417
R514F73417 R595333210 R595F53225 R591363400 R595433410 R595333215 R595337220 R595343115 R595343125 R591362440
R593373148 R595343215 CCR-33K40 R595357325 CCS-18N480-TDS R591702640 R591763600 CR-33K10 R599313000 R516431100
R591722605 ARD15105 MS156LH1-HRMJ-088V300A R570412000 R570412100 R570413000 R570422100 R570423000 R570432000
R570433000 R570442000 R570442100 R570412030 R570432010 R570433100 R570443030 R570463100 R570442010
R570413030 R570452000