Technical Data Sheet



DPDT Ramses Low PIM N 12.4GHz Latching 12Vdc D-sub connector with bracket

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577132005LP

RF CHARACTERISTICS

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 1	1 - 2	2 - 3	3 - 8	8 - 12.4
VSWR max	1.15	1.20	1.25	1.35	1.50
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB	0.50 dB
Isolation min	85 dB	80 dB	75 dB	70 dB	60 dB
Average power (*)	700 W	500 W	400 W	250 W	200 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 : LATCHING
Nominal current ** : 320 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON

Terminals : 9 pins D-SUB male connector

MECHANICAL CHARACTERISTICS

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

Life : 2 million cycles

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 215 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: 300 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.

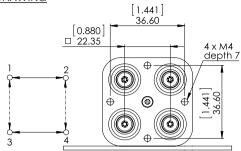
Technical Data Sheet

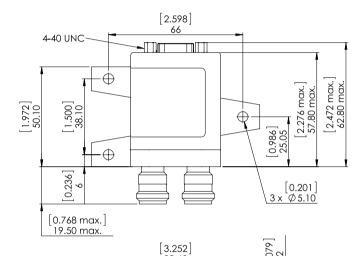


DPDT Ramses Low PIM N 12.4GHz Latching 12Vdc D-sub connector with bracket

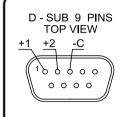
PAGE 2/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577132005LP

<u>DRAWING</u>





LABEL

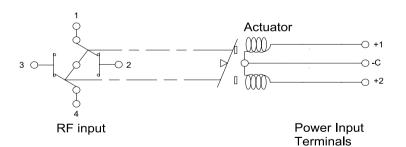


RADIALL® R577132005LP 0 - 12.4 GHz Un : 12V Lot : ____

General tolerances: ±0,5 mm [0,02 in]

[1.748]

SCHEMATIC DIAGRAM



Voltage	RF Continuity		
-C +1	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$		
-C +2	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$		