Technical Data Sheet



SPDT Ramses Low PIM N 12.4GHz Failsafe 28Vdc Diodes Pins Terminals

PAGE 1/2 ISSUE 22-11-22 SERIE : SPDT PART NUMBER : R570113030LP

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 : FAILSAFE
Nominal current ** : 140 mA

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

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

MECHANICAL CHARACTERISTICS

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

Life : 2 million cycles
Switching Time*** : < 15 ms
Construction : Splashproof

Weight : < 185 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)



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