Technical Data Sheet



DPDT Ramses SMA 18GHz Failsafe Indicators 12Vdc TTL Diodes Pins

Terminals with bracket

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577422100

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

ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE
Nominal current ** : 340 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

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 / $800\mu A$ at 5.5 V

- Low level $$: 0 to 0.8 V / 20 μA at 0.8 V

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012

Life : 2.5 million cycles

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 100 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -40°C to +85°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)



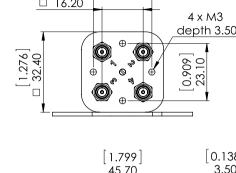


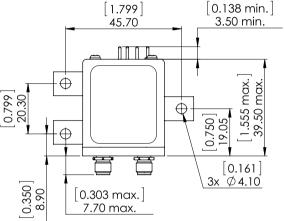


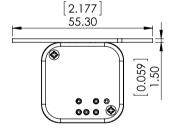
DPDT Ramses SMA 18GHz Failsafe Indicators 12Vdc TTL Diodes Pins Terminals with bracket

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DRAWING [0.909] 23.10 0.638 <u>□່16.2</u>0 4 x M3 depth 3.50

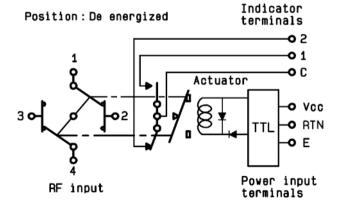






General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM





LABEL

RADIALL® R577422100 0 - 18 GHz Un: 12V Lot : _ _ _

TTL input	RF Continuity	Ind.
E = 1	$1 \leftrightarrow 3 / 2 \leftrightarrow 4$	C.1
E = 0	$1 \leftrightarrow 2 / 3 \leftrightarrow 4$	C.2