

Technical Data Sheet

SP6T Terminated Ramses SMA 18GHz Latching 12Vdc Pins Terminals

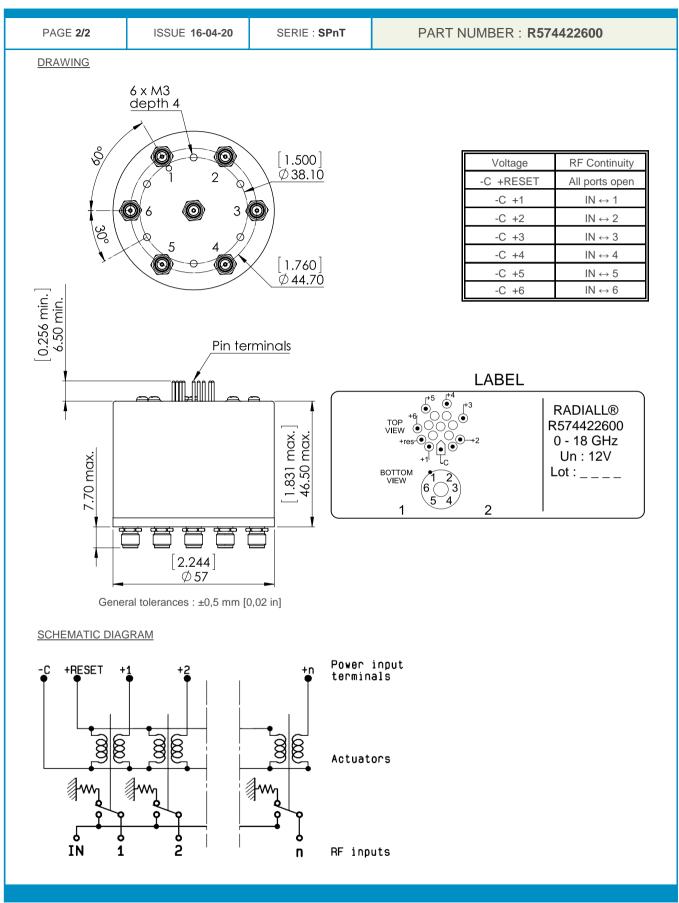
| RECHARACTERISTICS Number of ways : 6 Frequency range : 9 : 18 GHz Impedance : 90 Ohms Number of ways : 6 SWR max 1.20 1.30 1.40 1.50 dB SWR max 1.20 1.30 1.40 1.50 dB SWR max 1.20 1.30 1.40 1.50 dB SWR max 1.20 0.30 dB 0.00 dB 50 dB Swrage power (*) 240 W 150 Wh 120 Wh 100 Whether Versage power (*) 240 W 150 Whether 100 Whether 100 Whether Versage power (*) 240 W 150 Whether 100 Whether 100 Whether 100 Whether Versage power (*) 240 Whether : 100 Ohns 100 Whether | | 1/2 | ISSUE | 16-04-20 | SERIE | : SPnT | PA | ART NUMBER : R574422600 | |
|---|---|---|--|---|---------|--|--------------------------|--------------------------------|--|
| Frequency range 2. 0 18 GHz Impedance 50 Ohms Impedance 0.2 0 3 3 - 8 8 - 12.4 12.4 - 18 Impediance 1.20 1.30 1.40 1.50 Impediance 1.20 1.30 1.40 1.50 Impediance 0.20 dB 0.30 dB 0.40 dB 0.50 dB Impediance 0.20 dB 0.30 dB 0.40 dB 0.50 dB Impediance 0.20 dB 0.30 dB 0.40 dB 0.50 dB Impediance 0.20 dB 0.30 dB 0.40 dB 0.50 dB Impediance 0.20 dB 0.30 dB 0.40 dB 0.50 dB Impediance 0.20 dB 0.30 dB 0.40 dB 0.50 dB Impediance 0.20 dB 0.30 dB 0.40 dB 0.50 dB Impediance 0.20 dB 0.30 dB 0.40 dB 0.50 dB Impediance 120 wD 100 wD Impediance 120 wD 100 wD </td <td><u>RF CHA</u></td> <td>ARACTERIS</td> <td>STICS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | <u>RF CHA</u> | ARACTERIS | STICS | | | | | | |
| Frequency range 2. 0 18 GHz Impedance 50 Ohms Impedance 0.2 0 1 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | N | Number of w | avs | | - | 6 | | | |
| Impedance : 50 Ohms <u>frequency (GHz)</u> <u>1.20</u> <u>1.30</u> <u>1.40</u> <u>1.50</u> | | | | | | | | | |
| Image: | | | <u> </u> | | | | | | |
| 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 Solation min 80 dB 70 dB 60 dB 60 dB Average power (*) 240 W 150 W 100 W TERMINATION IMPEDANCE EXAMPLE STORE AT 25° C Solation min C C Solation min Average power (*) Average power (*) Solation min Solation min< | _ | | | | | | | - | |
| Insertion loss max 0.20 dB 0.30 dB 0.40 dB 0.50 dB Isolation min 80 dB 70 dB 60 dB 60 dB 60 dB Average power (') 240 W 150 W 120 W 100 W TERMINATION IMPEDANCE :: 50 Ohms TERM. AVG. POWER AT 25° C :: 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator : : 120 (M / 10 / 10 / 10 / 10 / 10 / 10 / 10 / 1 | F | Frequency (C | GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 18 | | |
| isolation min 80 dB 70 dB 60 dB 60 dB Average power (*) 240 W 150 W 120 W 100 W TERMINATION IMPEDANCE :: 50 Ohms TERM. AVG. POWER AT 25° C :: 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator :: LATCHING Nominal current ** :: 320 mA / RESET : 1920 mA **** Actuator voltage (Vcc) :: 12V (10.2 to 13V) / NEGATIVE COMMON Terminals :: solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors :: SMA female per MIL-C 39012 Life :: 2 million cycles per position Switching Time*** ::< | V | /SWR max | | 1.20 | 1.30 | 1.40 | 1.50 | | |
| Average power (*) 240 W 150 W 120 W 100 W TERMINATION IMPEDANCE :: 50 Ohms TERM. AVG. POWER AT 25° C :: 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator :: LATCHING Nominal current ** :: 320 mA / RESET : 1920 mA **** Actuator voltage (Vcc) :: 12V (10.2 to 13V) / NEGATIVE COMMON Terminals :: solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors :: SMA female per MIL-C 39012 Life :: 2 million cycles per position Switching Time*** :: < 15 ms | Ir | nsertion loss | s max | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB | | |
| TERMINATION IMPEDANCE :: 50 Ohms TERM. AVG. POWER AT 25° C :: 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator :: LATCHING Nominal current ** :: 320 mA / RESET :: 1920 mA **** Actuator voltage (Vcc) :: 12V (10.2 to 13V) / NEGATIVE COMMON Terminals :: solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors :: SMA female per MIL-C 39012 Life :: 2 million cycles per position Switching Time*** : < 15 ms | | | | | | | | | |
| TERM. AVG, POWER AT 25° C : 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1920 mA **** Actuator voltage (Voc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms | A | Average pow | /er (*) | 240 W | 150 W | 120 W | 100 W | | |
| TERM. AVG, POWER AT 25° C : 1 W per termination / 3 W total power ELECTRICAL CHARACTERISTICS Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1920 mA **** Actuator voltage (Voc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms | т | FERMINATIO | ON IMPEDA | NCE | : | 50 Ohms | | | |
| ELECTRICAL CHARACTERISTICS Actuator :: LATCHING Nominal current ** :: 320 mA / RESET : 1920 mA **** Actuator voltage (Vcc) :: 12V (10.2 to 13V) / NEGATIVE COMMON Terminals :: solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors :: SMA female per MIL-C 39012 Life :: 2 million cycles per position Switching Time*** :: < 15 ms | | | | | | | nination / 3 | W total power | |
| Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1920 mA **** Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms | | | | | | | •••••• | • • • | |
| Actuator : LATCHING Nominal current ** : 320 mA / RESET : 1920 mA **** Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms | | | | | | | | | |
| Nominal current ** 320 mA / RESET : 1920 mA **** Actuator voltage (Vcc) 12V (10.2 to 13V) / NEGATIVE COMMON Terminals solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors SMA female per MIL-C 39012 Life 2 million cycles per position Switching Time*** < 15 ms | ELECT | RICAL CHA | RACTERIST | TICS | | | | | |
| Nominal current ** 320 mA / RESET : 1920 mA **** Actuator voltage (Vcc) 12V (10.2 to 13V) / NEGATIVE COMMON Terminals solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors SMA female per MIL-C 39012 Life 2 million cycles per position Switching Time*** < 15 ms | _ | | | | | | | | |
| Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms | | | | | : | LATCHING | | | |
| Terminals : solder pins (250°C max. / 30 sec.) MECHANICAL CHARACTERISTICS Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms | | | | | | | | | |
| MECHANICAL CHARACTERISTICS Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms | | | age (Vcc) | | | | | | |
| Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms | Т | Ferminals | | | : | solder pins | (250°C max. | . / 30 sec.) | |
| Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms Construction : Splashproof Weight : < 250 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) : -55°C to +85°C (** At 25° C ±10%) : -40°C to ±25°C per RF Path) (** Nominal voltage ; 25° C) : -40°C to ±25°C per RF Path) | | | | | | | | | |
| Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position Switching Time*** : < 15 ms Construction : Splashproof Weight : < 250 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) : -55°C to +85°C (* Average power at 25°C per RF Path) : -55°C to +85°C (** At 25° C ±10%) : -55°C to +85°C | | | | | | | | | |
| Life : 2 million cycles per position Switching Time*** : < 15 ms | | | | - | | | | | |
| Life : 2 million cycles per position Switching Time*** : < 15 ms | MECHA | ANICAL CHA | ARACTERIS | TICS | | | | | |
| Switching Time**** : <15 ms | | | ARACTERIS | <u>STICS</u> | : | SMA female | e per MIL-C : | 39012 | |
| Construction : Splashproof Weight : < 250 g | C | Connectors | ARACTERIS | <u>STICS</u> | | | | | |
| 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) | C | Connectors _ife | | STICS | : | 2 million cy | | | |
| 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) | C L S | Connectors Life Switching Tir | ne*** | STICS | : | 2 million cy < 15 ms | cles per pos | | |
| 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) | C L S C | Connectors Life Switching Tir Construction | ne*** | <u>STICS</u> | : | 2 million cy < 15 ms Splashproo | cles per pos | | |
| 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) | C L S C | Connectors Life Switching Tir Construction | ne*** | STICS | : | 2 million cy < 15 ms Splashproo | cles per pos | | |
| Storage temperature range : -55°C to +85°C (* Average power at 25°C per RF Path) (** At 25° C ±10%) (*** Nominal voltage ; 25° C) | C L S C V | Connectors Life Switching Tir Construction Veight | ne*** | | : | 2 million cy < 15 ms Splashproo | cles per pos | | |
| (* Average power at 25°C per RF Path) (** At 25° C ±10%) (*** Nominal voltage ; 25° C) | C L S C V | Connectors Life Switching Tir Construction Veight | ne*** | | : | 2 million cy < 15 ms Splashproo | cles per pos | | |
| (* Average power at 25°C per RF Path) (** At 25° C ±10%) (*** Nominal voltage ; 25° C) | C L S C V <u>ENVIRC</u> | Connectors Life Switching Tir Construction Weight ONMENTAL | ne*** . CHARACTI | ERISTICS | : | 2 million cy < 15 ms Splashproo < 250 g | cles per pos f | | |
| (** At 25° C ±10%) (*** Nominal voltage ; 25° C) | C L S C V <u>ENVIRC</u> | Connectors Life Switching Tir Construction Weight ONMENTAL | ne*** <u>CHARACT</u> | <u>ERISTICS</u> | : | 2 million cy < 15 ms Splashproo < 250 g | cles per pos f 5°C | sition | |
| (** At 25° C ±10%) (*** Nominal voltage ; 25° C) | C L S C V <u>ENVIRC</u> | Connectors Life Switching Tir Construction Weight ONMENTAL | ne*** <u>CHARACT</u> | <u>ERISTICS</u> | : | 2 million cy < 15 ms Splashproo < 250 g | cles per pos f 5°C | sition | |
| (*** Nominal voltage ; 25° C) | C L S C V V <u>ENVIRC</u> S | Connectors Life Switching Tir Construction Weight ONMENTAL Operating ten Storage temp | me*** <u>CHARACT</u> mperature rang | <u>ERISTICS</u> ange ge | : | 2 million cy < 15 ms Splashproo < 250 g | cles per pos f 5°C | sition | |
| | C L S C V <u>ENVIRC</u> S (* A | Connectors Life Switching Tir Construction Weight ONMENTAL Operating ter Storage temp | me*** <u>CHARACTI</u> mperature rang perature rang | <u>ERISTICS</u> ange ge | : | 2 million cy < 15 ms Splashproo < 250 g | cles per pos f 5°C | sition | |
| | C L S C V ENVIRC C S (* A (** A | Connectors Life Switching Tir Construction Weight <u>ONMENTAL</u> Operating ter Storage temp Average pow At 25° C ±10 | me*** <u>CHARACTI</u> mperature rang perature rang ver at 25°C p %) | <u>ERISTICS</u> ange ge | : | 2 million cy < 15 ms Splashproo < 250 g | cles per pos f 5°C | sition | |
| | C L S C V ENVIRC C S (* A (** A (** N | Connectors Life Switching Tir Construction Weight <u>ONMENTAL</u> Operating ter Storage temp Average pow At 25° C ±10 Nominal volta | me*** <u>CHARACTI</u> mperature rang perature rang ver at 25°C p %) age ; 25° C) | <u>ERISTICS</u> ange ge per RF Path) | | 2 million cy < 15 ms Splashproo < 250 g -40°C to +8! -55°C to +8! | cles per pos f 5°C | sition | |
| | C L S C V ENVIRC C S (* A (** A (** N | Connectors Life Switching Tir Construction Weight <u>ONMENTAL</u> Operating ter Storage temp Average pow At 25° C ±10 Nominal volta | me*** <u>CHARACTI</u> mperature rang perature rang ver at 25°C p %) age ; 25° C) | <u>ERISTICS</u> ange ge per RF Path) | | 2 million cy < 15 ms Splashproo < 250 g -40°C to +8! -55°C to +8! | cles per pos f 5°C | sition | |
| | C L S C V ENVIRC C S (* A (** A (** N | Connectors Life Switching Tir Construction Weight <u>ONMENTAL</u> Operating ter Storage temp Average pow At 25° C ±10 Nominal volta | me*** <u>CHARACTI</u> mperature rang perature rang ver at 25°C p %) age ; 25° C) | <u>ERISTICS</u> ange ge per RF Path) | | 2 million cy < 15 ms Splashproo < 250 g -40°C to +8! -55°C to +8! | cles per pos f 5°C | sition | |
| | C L S C V ENVIRC C S (* A (** A (** N | Connectors Life Switching Tir Construction Weight <u>ONMENTAL</u> Operating ter Storage temp Average pow At 25° C ±10 Nominal volta | me*** <u>CHARACTI</u> mperature rang perature rang ver at 25°C p %) age ; 25° C) | <u>ERISTICS</u> ange ge per RF Path) | | 2 million cy < 15 ms Splashproo < 250 g -40°C to +8! -55°C to +8! | cles per pos f 5°C | sition | |
| | C L S C V ENVIRC C S (* A (** A (** N | Connectors Life Switching Tir Construction Weight <u>ONMENTAL</u> Operating ter Storage temp Average pow At 25° C ±10 Nominal volta | me*** <u>CHARACTI</u> mperature rang perature rang ver at 25°C p %) age ; 25° C) | <u>ERISTICS</u> ange ge per RF Path) | | 2 million cy < 15 ms Splashproo < 250 g -40°C to +8! -55°C to +8! | cles per pos f 5°C | sition | |

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

SP6T Terminated Ramses SMA 18GHz Latching 12Vdc Pins Terminals



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.