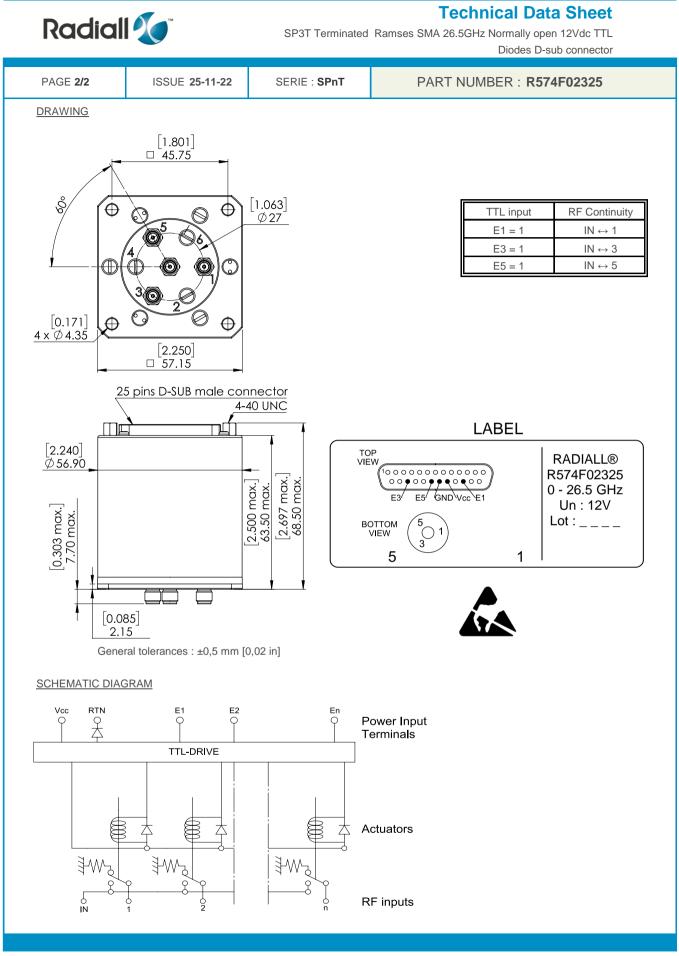


**Technical Data Sheet** 

SP3T Terminated Ramses SMA 26.5GHz Normally open 12Vdc TTL Diodes D-sub connector

| <section-header>         FCHARACTERISTICS         Minber of ways       ::         Cigueancy range       ::         Statustory range       ::         Cigueancy (GHz)       :       :         Statustory range       ::       :         Statustory range       ::       :         Cigueancy (GHz)       :       ::       :         Mindia Current **       ::       :       :         Cigueancy (GHz)       ::       :       :       :         Mindia Current **       ::       :       :       :         Cigueancy       :       :       :       :       :         Cigueancy       :       :       :       :       :</section-header>   |                |                |                             |                     |              |                                 | Diodes D-Sub C |     |  |
|---|----------------|----------------|-----------------------------|---------------------|--------------|---------------------------------|----------------|-----|--|
| <text><text></text></text>  | PAGE 1/2       | ISSUE 25-11-2  | 2 SERIE                     | SERIE : SPnT        |              | PART NUMBER : <b>R574F02325</b> |                |     |  |
| <text>  Prequency range</text>  | RF CHARACTERI  | STICS          |                             |                     |              |                                 |                |     |  |
| <text>  Prequency range</text>  | Number of w    | lavs           |                             | : 3                 |              |                                 |                |     |  |
| Impedance: 50 OhmsImpedanceDC - 33 - 81.2412.4 - 18118-26.5SyNR max1.201.301.401.501.70Sociation min20.480.30.480.40.480.50.480.70.48Sociation min20.480.30.480.40.480.50.480.70.48Sociation min20.480.30.480.40.480.50.480.70.48Sociation min20.480.30.480.40.480.50.480.40.48Margae power (1)2.40.W150.W100.W100.W40.WMargae power (1)2.40.W150.W100.W40.WMargae power (1)2.40.W150.W100.W40.WMargae power (1)2.40.W150.W100.W40.WMargae power (1)2.40.W100.W100.W40.WMargae power (1)2.40.WMargae power (1)100.W40.WMargae power (1)2.40.WMargae power (1)100.W40.WMargae power (1)2.40.WMargae power (1)100.W40.WMargae power (1)2.40.WMargae power (1)2.40.W100.WMargae power (1)Margae power (1)Margae power (1)100.W100.WMargae power (1)Margae pow  |                |                |                             |                     | Z            |                                 |                |     |  |
| VSWR max       1,20       1,30       1,40       1,50       1,70         Insertion loss max       0.20 dB       0.30 dB       0.40 dB       0.50 dB       0.70 dB         Isolation min       80 dB       70 dB       60 dB       60 dB       60 dB       50 dB         Average power (*)       240 W       150 W       120 W       100 W       40 W         TERMINATION IMPEDANCE       ::       50 Ohms       :       :       :         TERM. AVG. POWER AT 25° C       ::       1 W per termination / 3 W total power         ELECTRICAL CHARACTERISTICS         Actuator       ::       :       250 mA         Actuator voltage (Vcc)       ::       12V (10.2 to 13V)         Terminals       ::       2.2 to 5.5 V 300µA at 5.5 V         - Low level       ::       0 to 0.8 V / 20µA at 0.8 V         ACCHANICAL CHARACTERISTICS       :       Connectors       :       SMA female per MIL-C 39012         Life       ::       :       1 million cycles per position       Switching Time***       :<  |                | -              | :                           | 50 Ohms             |              |                                 |                |     |  |
| VSWR max       1,20       1,30       1,40       1,50       1,70         Insertion loss max       0.20 dB       0.30 dB       0.40 dB       0.50 dB       0.70 dB         Isolation min       80 dB       70 dB       60 dB       60 dB       60 dB       50 dB         Average power (*)       240 W       150 W       120 W       100 W       40 W         TERMINATION IMPEDANCE       ::       50 Ohms       :       :       :         TERM. AVG. POWER AT 25° C       ::       1 W per termination / 3 W total power         ELECTRICAL CHARACTERISTICS         Actuator       ::       :       250 mA         Actuator voltage (Vcc)       ::       12V (10.2 to 13V)         Terminals       ::       2.2 to 5.5 V 300µA at 5.5 V         - Low level       ::       0 to 0.8 V / 20µA at 0.8 V         ACCHANICAL CHARACTERISTICS       :       Connectors       :       SMA female per MIL-C 39012         Life       ::       :       1 million cycles per position       Switching Time***       :<  |                |                |                             |                     |              |                                 |                |     |  |
| Insertion loss max       0.20 dB       0.30 dB       0.40 dB       0.50 dB       0.70 dB         Isolation min       80 dB       70 dB       60 dB       60 dB       50 dB         Average power (*)       240 W       150 W       120 W       40 W         TERMINATION IMPEDANCE       ::::::::::::::::::::::::::::::::::::  | Frequency (    | GHz) DC -      | 3 3-8                       | 8 - 12.4            | 12.4 - 18    | 18-26.5                         |                |     |  |
| Isolation min       80 dB       70 dB       60 dB       50 dB         Average power (*)       240 W       150 W       120 W       100 W       40 W         TERMINATION IMPEDANCE       ::       50 Ohms         TERM. AVG. POWER AT 25° C       ::       1 W per termination / 3 W total power         SELECTRICAL CHARACTERISTICS         Actuator       ::       NORMALLY OPEN         Nominal current **       ::       250 mA         Actuator voltage (Vcc)       ::       ::         TI inputs (E)       · High level       ::       :         Townials       ::       :       25 pins D-SUB male connector         TIL inputs (E)       · High level       ::       :       25 pins D-SUB male connector         TL inputs (E)       · High level       ::       :       25 pins D-SUB male connector         MECHANICAL CHARACTERISTICS       :       Connectors       :       SMA female per MIL-C 39012         Life       ::       3 million cycles per position       Switching Time***       :       :         Switching Time***       ::       :       Splashproof       .       :         Weight       ::       :       :       :       :       :  | VSWR max       | 1,20           | 0 1,30                      | 1,40                | 1,50         | 1,70                            |                |     |  |
| Image power (*)       240 W       150 W       120 W       100 W       40 W         TERMINATION IMPEDANCE       ::       50 Ohms         TERM. AVG. POWER AT 25° C       ::       1 W per termination / 3 W total power         SELECTRICAL CHARACTERISTICS         Actuator       ::       NORMALLY OPEN         Nominal current **       ::       250 mA         Actuator voltage (Vcc)       ::       122 (10.2 to 13V)         Terminals       ::       2.2 to 5.5 V / 800µA at 5.5 V         - Low level       ::       0 to 0.8 V / 20µA at 0.8 V         AECHANICAL CHARACTERISTICS       :       Connectors         Connectors       ::       Splashproof         Weight       ::       :       15 ms         Construction       ::       Splashproof         Weight       ::       :       :         Construction       ::       :       :         Operating temperature range       ::       :       :         Cotage temperature range       ::       :       :         *       Average power at 25°C per RF Path)       :       .         *       At 25° C ± 10%)       :       .  | Insertion los  | s max 0.20     | dB 0.30 dB                  | 0.40 dB             | 0.50 dB      | 0.70 dB                         |                |     |  |
| TERMINATION IMPEDANCE       ::50 Ohms         TERM. AVG. POWER AT 25° C       ::1 W per termination / 3 W total power         ELECTRICAL CHARACTERISTICS         Actuator       ::NORMALLY OPEN         Nominal current **       ::250 mA         Actuator voltage (Vcc)       ::12V (10.2 to 13V)         Terminals       ::25 pins D-SUB male connector         TL inputs (E)       : High level       ::2.2 to 5.5 V / 800µA at 5.5 V         . Low level       :0 to 0.8 V / 20µA at 0.8 V         AECHANICAL CHARACTERISTICS         Connectors       : SMA female per MIL-C 39012         Life       :3 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       : NORMALLY OPEN         Nominal current **       : 250 mA         Actuator voltage (Vcc)       : 12V (10.2 to 13V)         Terminals       : 255 pins D-SUB male connector         TIL inputs (E)       · High level       : 2.2 to 5.5 V / 800µA at 5.5 V         - Low level       : 0 to 0.8 V / 20µA at 0.8 V         MECHANICAL CHARACTERISTICS         Methods in the set of the set o | Average pov    | ver (*) 240    | W 150 W                     | 120 W               | 100 W        | 40 W                            |                |     |  |
| TERM. AVG. POWER AT 25° C       : 1 W per termination / 3 W total power         ELECTRICAL CHARACTERISTICS         Actuator       : NORMALLY OPEN         Nominal current **       : 250 mA         Actuator voltage (Vcc)       : 12V (10.2 to 13V)         Terminals       : 255 pins D-SUB male connector         TIL inputs (E)       · High level       : 2.2 to 5.5 V / 800µA at 5.5 V         - Low level       : 0 to 0.8 V / 20µA at 0.8 V         MECHANICAL CHARACTERISTICS         Methods in the set of the set o | TERMINIATI     |                |                             | 50 Ohms             |              |                                 |                |     |  |
| ELECTRICAL CHARACTERISTICS          Actuator       : NORMALLY OPEN         Nominal current **       : 250 mA         Actuator voltage (Vcc)       : 12V (10.2 to 13V)         Terminals       : 25 pins D-SUB male connector         TT L inputs (E)       · High level       : 2.2 to 5.5 V / 800µA at 5.5 V         - Low level       : 0 to 0.8 V / 20µA at 0.8 V         MECHANICAL CHARACTERISTICS         MECHANICAL CHARACTERISTICS         Consectors       : SMA female per MIL-C 39012         Life       : 3 million cycles per position         Switching Time***       : < 15 ms   |                |                |                             |                     | mination / 3 | W total powe                    | er             |     |  |
| Actuator :: NORMALLY OPEN<br>Nominal current ** :: 250 mA<br>Actuator voltage (Vcc) :: 12V (10.2 to 13W)<br>Terminals :: 25 pins D-SUB male connector<br>TTL inputs (P) - High level :: 2.2 to 5.5 V / 800µA at 5.5 V<br>- Low level :: 0 to 0.8 V / 20µA at 0.8 V<br>MECHANICAL CHARACTERISTICS<br>Methods :: 3 million cycles per position<br>Switching Time*** :: <15 ms<br>Construction :: Splashproof<br>Weigh :: <250 g<br>ENVIRONMENTAL CHARACTERISTICS<br>Methods :: <40°C to +85°C<br>Storage temperature range :: -55°C to +85°C<br>Storage temperature range :: -55°C to +85°C<br>* Average power at 25°C per RF Path)<br>* At 25° C ±10%  |                |                |                             |                     |              |                                 |                |     |  |
| Actuator :: NORMALLY OPEN<br>Nominal current ** :: 250 mA<br>Actuator voltage (Vcc) :: 12V (10.2 to 13W)<br>Terminals :: 25 pins D-SUB male connector<br>TTL inputs (P) - High level :: 2.2 to 5.5 V / 800µA at 5.5 V<br>- Low level :: 0 to 0.8 V / 20µA at 0.8 V<br>MECHANICAL CHARACTERISTICS<br>Methods :: 3 million cycles per position<br>Switching Time*** :: <15 ms<br>Construction :: Splashproof<br>Weigh :: <250 g<br>ENVIRONMENTAL CHARACTERISTICS<br>Methods :: <40°C to +85°C<br>Storage temperature range :: -55°C to +85°C<br>Storage temperature range :: -55°C to +85°C<br>* Average power at 25°C per RF Path)<br>* At 25° C ±10%  |                |                |                             |                     |              |                                 |                |     |  |
| Nominal current **       250 mA         Actuator voltage (Vcc)       12V (10.2 to 13V)         Terminals       25 pins D-SUB male connector         TTL inputs (E)       - High level       2.2 to 5.5 V / 800µA at 5.5 V         - Low level       0 to 0.8 V / 20µA at 0.8 V         MECHANICAL CHARACTERISTICS         MECHANICAL CHARACTERISTICS         Connectors       SMA female per MIL-C 39012         Life       3 million cycles per position         Switching Time***       < 15 ms   | ELECTRICAL CHA | RACTERISTICS   |                             |                     |              |                                 |                |     |  |
| Nominal current **       250 mA         Actuator voltage (Vcc)       12V (10.2 to 13V)         Terminals       25 pins D-SUB male connector         TTL inputs (E)       - High level       2.2 to 5.5 V / 800µA at 5.5 V         - Low level       0 to 0.8 V / 20µA at 0.8 V         MECHANICAL CHARACTERISTICS         MECHANICAL CHARACTERISTICS         Connectors       SMA female per MIL-C 39012         Life       3 million cycles per position         Switching Time***       < 15 ms   |                |                |                             |                     |              |                                 |                |     |  |
| Actuator voltage (Vcc)       : 12V (10.2 to 13V)         Terminals       : 25 pins D-SUB male connector         TTL inputs (E)       - High level       : 2.2 to 5.5 V / 800µA at 5.5 V         - Low level       : 0 to 0.8 V / 20µA at 0.8 V         MECHANICAL CHARACTERISTICS         MECHANICAL CHARACTERISTICS         Connectors       : SMA female per MIL-C 39012         Life       : 3 million cycles per position         Switching Time***       : < 15 ms   |                |                |                             |                     |              |                                 |                |     |  |
| Terminals       25 pins D-SUB male connector         TTL inputs (E)       - High level       2.2 to 5.5 V / 800µA at 5.5 V         - Low level       0 to 0.8 V / 20µA at 0.8 V         MECHANICAL CHARACTERISTICS         MECHANICAL CHARACTERISTICS         Connectors       : SMA female per MIL-C 39012         Life       : 3 million cycles per position         Switching Time***       : < 15 ms  |                |                |                             |                     |              |                                 |                |     |  |
| TTL inputs (E)       - High level       £ 2.2 to 5.5 V / 800µA at 5.5 V         - Low level       0 to 0.8 V / 20µA at 0.8 V         MECHANICAL CHARACTERISTICS         MECHANICAL CHARACTERISTICS         Connectors       £ SMA female per MIL-C 39012         Life       3 million cycles per position         Switching Time***       £ < 15 ms   |                |                |                             |                     |              |                                 |                |     |  |
| - Low level       : 0 to 0.8 V/20μA at 0.8 V         MECHANICAL CHARACTERISTICS         Connectors       : SMA female per MIL-C 39012         Life       : 3 million cycles per position         Switching Time***       : < 15 ms  |                |                |                             |                     |              |                                 |                |     |  |
| MECHANICAL CHARACTERISTICS         Connectors       : SMA female per MIL-C 39012         Life       : 3 million cycles per position         Switching Time***       : < 15 ms   |                |                |                             |                     |              |                                 |                |     |  |
| Connectors       : SMA female per MIL-C 39012         Life       : 3 million cycles per position         Switching Time***       : < 15 ms  |                |                |                             |                     | -            |                                 |                |     |  |
| Connectors       : SMA female per MIL-C 39012         Life       : 3 million cycles per position         Switching Time***       : < 15 ms  |                |                |                             |                     |              |                                 |                |     |  |
| Life : 3 million cycles per position<br>Switching Time*** : <15 ms<br>Construction : Splashproof<br>Weight : <250 g<br>ENVIRONMENTAL CHARACTERISTICS<br>Operating temperature range : -40°C to +85°C<br>Storage temperature range : -55°C to +85°C<br>Storage temperature range : -55°C to +85°C<br>* Average power at 25°C per RF Path)<br>* At 25° C ±10%)  | MECHANICAL CH  | ARACTERISTICS  |                             |                     |              |                                 |                |     |  |
| Life : 3 million cycles per position<br>Switching Time*** : <15 ms<br>Construction : Splashproof<br>Weight : <250 g<br>ENVIRONMENTAL CHARACTERISTICS<br>Operating temperature range : -40°C to +85°C<br>Storage temperature range : -55°C to +85°C<br>Storage temperature range : -55°C to +85°C<br>* Average power at 25°C per RF Path)<br>* At 25° C ±10%)  | Connectors     |                | SMA female ner MII -C 39012 |                     |              |                                 |                |     |  |
| Switching Time*** : < 15 ms   |                |                | -                           |                     |              |                                 |                |     |  |
| Construction : Splashproof   Weight : < 250 g   |                |                |                             |                     |              |                                 |                |     |  |
| ENVIRONMENTAL CHARACTERISTICS   Operating temperature range   Storage temperature range   : -55°C to +85°C   * Average power at 25°C per RF Path) ** At 25° C ±10%)   | -              | :              | : Splashproof               |                     |              |                                 |                |     |  |
| 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%)  | Weight         |                | :                           | : <b>&lt; 250 g</b> |              |                                 |                |     |  |
| 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%)  |                |                |                             |                     |              |                                 |                |     |  |
| 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%)  |                | CHARACTERISTIC | · C                         |                     |              |                                 |                |     |  |
| <ul> <li>Storage temperature range : -55°C to +85°C</li> <li>* Average power at 25°C per RF Path)</li> <li>** At 25° C ±10%)</li> </ul>   |                |                | <u></u>                     |                     |              |                                 |                |     |  |
| <ul> <li>Storage temperature range : -55°C to +85°C</li> <li>* Average power at 25°C per RF Path)</li> <li>** At 25° C ±10%)</li> </ul>   | Operating te   | :              | : -40°C to +85°C            |                     |              |                                 |                |     |  |
| <ul> <li>Average power at 25°C per RF Path)</li> <li>At 25° C ±10%)</li> </ul>  |                | :              | : -55°C to +85°C            |                     |              |                                 |                |     |  |
| ** At 25° C ±10%)   |                |                |                             |                     |              |                                 | Koug           |     |  |
| ** At 25° C ±10%)   | (h             |                |                             |                     |              |                                 | •              | • ) |  |
|   |                |                | ath)                        |                     |              |                                 | ر <b>لال</b> ب | -/  |  |
|   |                |                |                             |                     |              |                                 | MPLIA          | /   |  |
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|   |                |                |                             |                     |              |                                 |                |     |  |

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