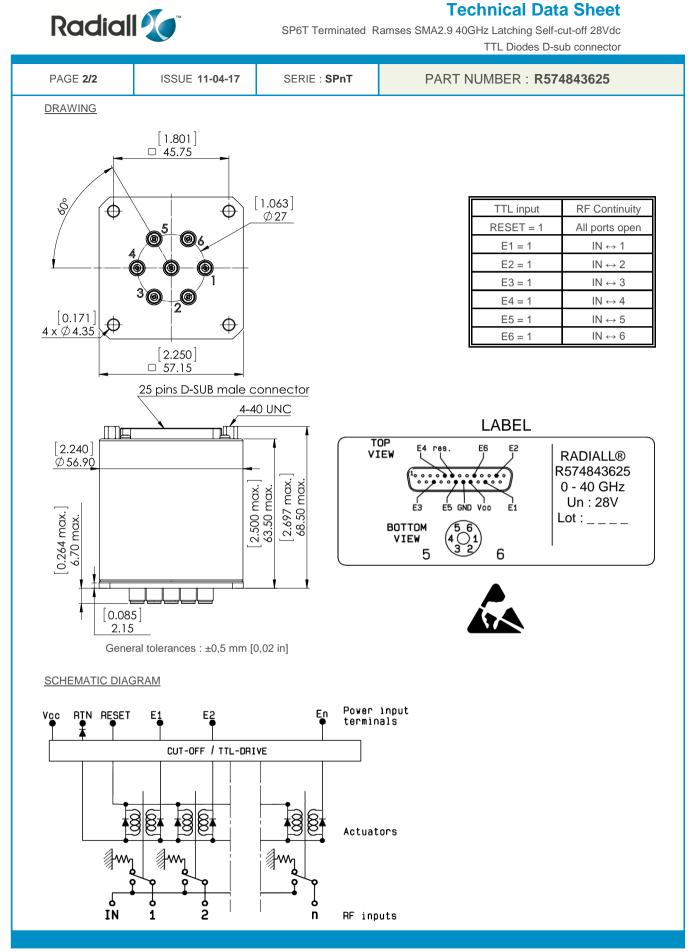


Technical Data Sheet

SP6T Terminated Ramses SMA2.9 40GHz Latching Self-cut-off 28Vdc TTL Diodes D-sub connector

| PAGE 1/2 ISSUE 11-04-17  |   | SERIE : SPnT  |  | PART NUMBER : <b>R574843625</b>  |   |   |  |
|--|---|---|--|--|---|---|--|
| ACTERISTICS  |   |   |  |  |   |   |  |
| nber of ways<br>quency range<br>vedance                              |   | :   | 0 - 40 GHz   |  |   |   |  |
| quency (GHz)   | DC - 6  | 6 - 12.4  | 12.4 - 18  | 18 - 26.5  | 26.5 - 40   |   |  |
| WR max   | 1.30  | 1.40  | 1.50   | 1.70   | 2.20  |   |  |
| ertion loss max  | 0.20 dB   | 0.40 dB   | 0.50 dB  | 0.70 dB  | 1.10 dB   |   |  |
| ation min  | 70 dB   | 60 dB   | 60 dB  | 55 dB  | 50 dB   |   |  |
| erage power (*)  | 40 W  | 30 W  | 25 W   | 15 W   | 5 W   |   |  |
|  |   |   |  | nination / 3   | W total powe  | ər  |  |
| CAL CHARACTERIST   | <u>FICS</u>   |   |  |  |   |   |  |
| Actuator   |   |   | : LATCHING   |  |   |   |  |
| Nominal current **   |   |   | : 125 mA / RESET : 750 mA ****   |  |   |   |  |
| Actuator voltage (Vcc)   |   |   |  |  |   |   |  |
| Terminals<br>Self cut-off time                                       |   |   |  |  |   |   |  |
|  |   |   |  |  |   |   |  |
| - Low level  |   |   | : 0 to 0.8 V / 20μA at 0.8 V   |  |   |   |  |
| ICAL CHARACTERIS<br>nnectors<br>tching Time***<br>nstruction<br>ight | TICS  | :   | 2 million cy<br>< 15 ms<br>Splashproo  | cles per pos   |   |   |  |
| IMENTAL CHARACTI   | ERISTICS  |   |  |  |   |   |  |
| Operating temperature range<br>Storage temperature range             |   |   | ∶ -40°C to +85°C<br>∶ -55°C to +85°C   |  |   | ROHS  |  |
| 0  |   |   |  |  |   |   |  |
|  | nber of ways<br>quency range<br>edance<br>quency (GHz)<br>VR max<br>rrtion loss max<br>ation min<br>rage power (*)<br>RMINATION IMPEDA<br>RM. AVG. POWER A<br>CAL CHARACTERIST<br>uator<br>ninal current **<br>uator voltage (Vcc)<br>ninals<br>cut-off time<br>inputs (E) - High<br>- Low<br>CAL CHARACTERIST<br>nectors<br>tching Time***<br>struction<br>ght | hber of ways<br>quency range<br>edance<br>Quency (GHz) DC - 6<br>VR max 1.30<br>Partion loss max 0.20 dB<br>ation min 70 dB<br>rage power (*) 40 W<br>RMINATION IMPEDANCE<br>RM. AVG. POWER AT 25° C<br>CAL CHARACTERISTICS<br>Hator<br>ninals<br>cut-off time<br>inputs (E) - High level<br>- Low level<br>CAL CHARACTERISTICS<br>nectors<br>teching Time****<br>struction | nber of ways :   quency (GHz) DC - 6   6 - 12.4   VR max 1.30   1.30 1.40   vertion loss max 0.20 dB   0.40 dB   ation min 70 dB   60 dB   rage power (*) 40 W   30 W   RMINATION IMPEDANCE   RM. AVG. POWER AT 25° C   CAL CHARACTERISTICS   uator   uator voltage (Vcc)   ninals   cut-off time   inputs (E)   - High level   inputs (E)   - Low level   CAL CHARACTERISTICS   CAL CHARACTERISTICS   uator   inputs (E)   - High level   inputs (E)   - Low level   :   :   tching Time***   : <td< td=""><td>hber of ways       : 6         quency range       : 0 - 40 GHz         edance       : 50 Ohms         quency (GHz)       DC - 6       6 - 12.4       12.4 - 18         VR max       1.30       1.40       1.50         prition loss max       0.20 dB       0.40 dB       0.50 dB         ation min       70 dB       60 dB       60 dB         rage power (*)       40 W       30 W       25 W         RMINATION IMPEDANCE       ::::::::::::::::::::::::::::::::::::</td><td>nber of ways       : 6         quency range       : 0 - 40 GHz         edance       : 50 Ohms         <u>quency (GHz)       DC - 6       6 - 12.4       12.4 - 18       18 - 26.5         VR max       1.30       1.40       1.50       1.70         prition loss max       0.20 dB       0.40 dB       0.50 dB       0.70 dB         ation min       70 dB       60 dB       60 dB       55 dB         rage power (*)       40 W       30 W       25 W       15 W         RMINATION IMPEDANCE       :: 50 Ohms         RM. AVG. POWER AT 25° C       :: 1 W per termination / 3 W         CAL CHARACTERISTICS         uator       :: LATCHING         ninals       :: 25 pins D-SUB male cor         cut-off time       :: 40 ms &lt; CT &lt; 120 ms</u></td>         inputs (E)       - High level       :: 2.2 to 5.5 V / 800µA at 5.         .: Low level       :: 0 to 0.8 V / 20µA at 0.8 V         CAL CHARACTERISTICS         nectors       : SMA 2.9 female per MIL         :: 2 million cycles per pos         : 1 CAL CHARACTERISTICS         nectors       : SMA 2.9 female per MIL         :: 2 million cycles per pos         : 1 CAL CHARACTERISTICS         : 1 S</td<> | hber of ways       : 6         quency range       : 0 - 40 GHz         edance       : 50 Ohms         quency (GHz)       DC - 6       6 - 12.4       12.4 - 18         VR max       1.30       1.40       1.50         prition loss max       0.20 dB       0.40 dB       0.50 dB         ation min       70 dB       60 dB       60 dB         rage power (*)       40 W       30 W       25 W         RMINATION IMPEDANCE       :::::::::::::::::::::::::::::::::::: | nber of ways       : 6         quency range       : 0 - 40 GHz         edance       : 50 Ohms <u>quency (GHz)       DC - 6       6 - 12.4       12.4 - 18       18 - 26.5         VR max       1.30       1.40       1.50       1.70         prition loss max       0.20 dB       0.40 dB       0.50 dB       0.70 dB         ation min       70 dB       60 dB       60 dB       55 dB         rage power (*)       40 W       30 W       25 W       15 W         RMINATION IMPEDANCE       :: 50 Ohms         RM. AVG. POWER AT 25° C       :: 1 W per termination / 3 W         CAL CHARACTERISTICS         uator       :: LATCHING         ninals       :: 25 pins D-SUB male cor         cut-off time       :: 40 ms &lt; CT &lt; 120 ms</u> | hber of ways $\therefore$ $\therefore$ $6$<br>quency range $\therefore$ $0 - 40$ GHz<br>edance $\therefore$ $50$ Ohms<br>$puency (GHz) \qquad DC - 6 \qquad 6 - 12.4 \qquad 12.4 - 18 \qquad 18 - 26.5 \qquad 26.5 - 40 \qquad VR max \qquad 1.30 \qquad 1.40 \qquad 1.50 \qquad 1.70 \qquad 2.20 \qquad VR max \qquad 1.30 \qquad 1.40 \qquad 1.50 \qquad 1.70 \qquad 2.20 \qquad VR max \qquad 1.30 \qquad 1.40 \qquad 1.50 \qquad 1.70 \qquad 2.20 \qquad VR max \qquad 0.20 & 0B \qquad 0.40 & 0B \qquad 0.50 & 0B \qquad 0.70 & 0B \qquad 1.10 & 0B \qquad ation min \qquad 70 & 0B \qquad 60 & 0B \qquad 60 & 0B \qquad 55 & 0B \qquad 50 & 0B \qquad rage power (*) \qquad 40 & W \qquad 30 & W \qquad 25 & W \qquad 15 & W \qquad 5 & W \qquad VR MINATION IMPEDANCE \qquad \therefore 50 & 0hmsRMINATION IMPEDANCE \therefore 20 & 0hmsMINATION IMPEDANCE \therefore 20 & 0hmsRMINATION IMPEDANCE \therefore 20 & 0hmsMINATION IMPEDANCE \therefore 20 & 0hmsRMINATION IM$ |  |

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