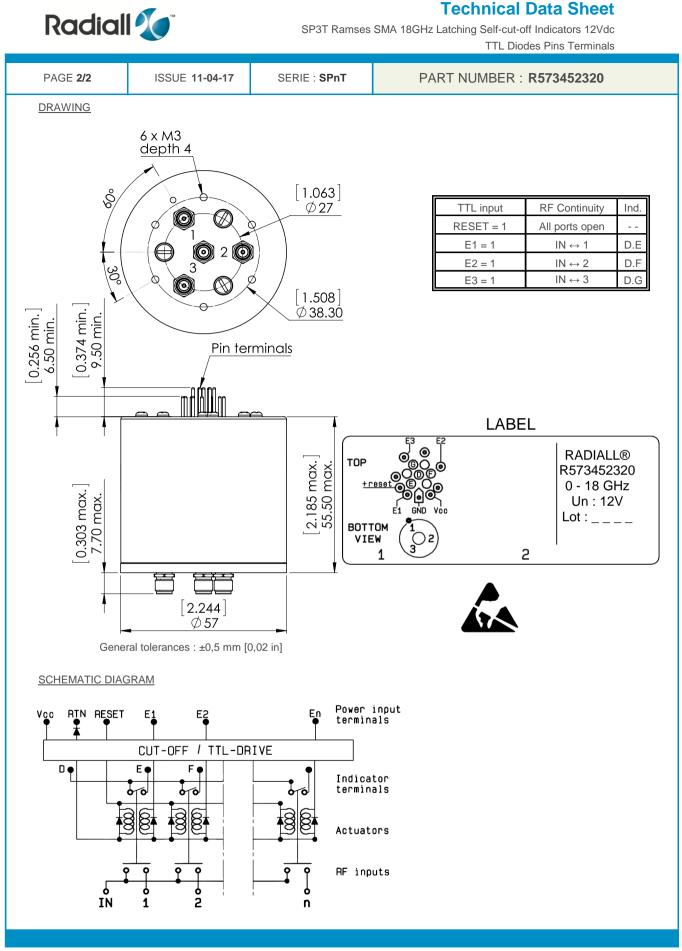


Technical Data Sheet

SP3T Ramses SMA 18GHz Latching Self-cut-off Indicators 12Vdc TTL Diodes Pins Terminals

| | | 11-04-17 SERIE | | : SPnT | PART NUMBER : R573452320 | | | | | 0 | |
|--|---|---|---------|--|---|------------|----------|--------------|------|---|--|
| RF CHARACTERI | <u>STICS</u> | | | | | | | | | | |
| Number of v | | | | 3 | | | | | | | |
| Frequency r | | | | 0 - 18 GHz | | | | | | | |
| Impedance | ange | | | 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 los | s max | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB | | | | | | |
| Isolation mir | | 80 dB | 70 dB | 60 dB | 60 dB | | | | | | |
| Average pov | ver (*) | 240 W | 150 W | 120 W | 100 W | | | | | | |
| | | | | | | | | | | | |
| ELECTRICAL CHA | | TICS | | | | | | | | | |
| | | 100 | | | | | | | | | |
| Actuator | | | : | LATCHING | | | | | | | |
| Nominal cur | rent ** | | : | : 320 mA / RESET : 960 mA **** | | | | | | | |
| Actuator vol | tage (Vcc) | | : | 12V (10.2 to 13V) | | | | | | | |
| Terminals | | | : | solder pins | (250°C max. | / 30 sec.) | | | | | |
| Indicator rat | ing | | : | 1 W / 30 V / | 100 mA | | | | | | |
| Self cut-off t | - | | : | 40 ms < CT | < 120 ms | | | | | | |
| | | | | | | | | | | | |
| TTL inputs (| E) - High | level | : | 2.2 to 5.5 V | / 800µA at 5.5 | 5 V | | | | | |
| TTL inputs (| | | | 2.2 to 5.5 V 0 to 0.8 V / 2 | | | | | | | |
| TTL inputs (| E) - High - Low | | | | / 800µA at 5.5 20µA at 0.8 V | | | | | | |
| TTL inputs (| | | | | | | | | | | |
| | - Low | level | | | | | | | | | |
| TTL inputs (| - Low | level | | | | | | | | | |
| MECHANICAL CH | - Low | level | : | 0 to 0.8 V / 2 | 20µA at 0.8 V | | | | | | |
| MECHANICAL CH Connectors | - Low | level | : | 0 to 0.8 V / 2 SMA female | 20µA at 0.8 V 9 per MIL-C 3 | 9012 | | | | | |
| MECHANICAL CH Connectors Life | - Low | level | : | 0 to 0.8 V / 2 SMA female 5 million cy | 20µA at 0.8 V | 9012 | | | | | |
| <u>MECHANICAL CH</u> Connectors Life Switching Ti | - Low <u>ARACTERIS</u> me*** | level | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms | 20µA at 0.8 V e per MIL-C 3 cles per posi | 9012 | | | | | |
| <u>MECHANICAL CH</u> Connectors Life Switching Ti Constructior | - Low <u>ARACTERIS</u> me*** | level | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo | 20µA at 0.8 V e per MIL-C 3 cles per posi | 9012 | | | | | |
| <u>MECHANICAL CH</u> Connectors Life Switching Ti | - Low <u>ARACTERIS</u> me*** | level | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms | 20µA at 0.8 V e per MIL-C 3 cles per posi | 9012 | | | | | |
| <u>MECHANICAL CH</u> Connectors Life Switching Ti Constructior | - Low <u>ARACTERIS</u> me*** | level | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo | 20µA at 0.8 V e per MIL-C 3 cles per posi | 9012 | | | | | |
| <u>MECHANICAL CH</u> Connectors Life Switching Ti Constructior | - Low <u>ARACTERIS</u> me*** | level <u>TICS</u> | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo | 20µA at 0.8 V e per MIL-C 3 cles per posi | 9012 | | | | | |
| MECHANICAL CH Connectors Life Switching Ti Constructior Weight ENVIRONMENTAI | - Low <u>ARACTERIS</u> me*** | Ievel TICS ERISTICS | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g | 20µA at 0.8 V e per MIL-C 3: cles per posi f | 9012 | | | | | |
| MECHANICAL CH Connectors Life Switching Ti Construction Weight ENVIRONMENTAI | - Low ARACTERIS me*** | Ievel TICS ERISTICS | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | | | | | |
| MECHANICAL CH Connectors Life Switching Ti Construction Weight ENVIRONMENTAI | - Low <u>ARACTERIS</u> me*** | Ievel TICS ERISTICS | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | a | OH.s | | | |
| MECHANICAL CH Connectors Life Switching Ti Construction Weight ENVIRONMENTAI | - Low ARACTERIS me*** | Ievel TICS ERISTICS | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | R | OHS | | | |
| MECHANICAL CH Connectors Life Switching Ti Constructior Weight ENVIRONMENTAI Operating te Storage tem | - Low ARACTERIS me*** - CHARACTE | Ievel TICS ERISTICS inge ge | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | R. | 0 <i>H</i> 8 | | | |
| MECHANICAL CH Connectors Life Switching Ti Constructior Weight ENVIRONMENTAI Operating te Storage tem (* Average pov | - Low ARACTERIS me*** <u>- CHARACTE</u> mperature rang perature rang wer at 25°C p | Ievel TICS ERISTICS inge ge | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | R | oHs | · | | |
| MECHANICAL CH Connectors Life Switching Ti Construction Weight ENVIRONMENTAI Operating te Storage tem (* Average pow (** At 25° C ±10 | - Low ARACTERIS me*** <u>CHARACTE</u> mperature ran perature ran ver at 25°C p 0%) | Ievel TICS ERISTICS inge ge | : | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | R Con | | · 1 | | |
| MECHANICAL CH Connectors Life Switching Ti Construction Weight ENVIRONMENTAL Operating te Storage tem (* Average pov (** At 25° C ±10 (*** Nominal volt | - Low ARACTERIS me*** <u>CHARACTE</u> emperature rang perature rang ver at 25°C p 0%) tage ; 25° C) | ERISTICS | | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g -40°C to +8 -55°C to +8 | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | R. COM | OHS PLIA | | | |
| MECHANICAL CH Connectors Life Switching Ti Construction Weight ENVIRONMENTAL Operating te Storage tem (* Average pov (** At 25° C ±10 (*** Nominal volt | - Low ARACTERIS me*** <u>CHARACTE</u> emperature rang perature rang ver at 25°C p 0%) tage ; 25° C) | Ievel TICS ERISTICS inge ge | | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g -40°C to +8 -55°C to +8 | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | R COM | OHS PLIA | · | | |
| MECHANICAL CH Connectors Life Switching Ti Construction Weight ENVIRONMENTAL Operating te Storage tem (* Average pov (** At 25° C ±10 (*** Nominal volt | - Low ARACTERIS me*** <u>CHARACTE</u> emperature rang perature rang ver at 25°C p 0%) tage ; 25° C) | ERISTICS | | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g -40°C to +8 -55°C to +8 | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | R COM | OHS PLIA | · | | |
| MECHANICAL CH Connectors Life Switching Ti Construction Weight ENVIRONMENTAL Operating te Storage tem (* Average pov (** At 25° C ±10 (*** Nominal volt | - Low ARACTERIS me*** <u>CHARACTE</u> emperature rang perature rang ver at 25°C p 0%) tage ; 25° C) | ERISTICS | | 0 to 0.8 V / 2 SMA female 5 million cy < 15 ms Splashproo < 220 g -40°C to +8 -55°C to +8 | 20µA at 0.8 V e per MIL-C 3 cles per posi f 5°C | 9012 | R Com | OHS PLIA | · Ar | | |

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.



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.