

## **Technical Data Sheet**

SP4T Ramses Low PIM N 12.4GHz Normaly open 28Vdc Diodes Pins Terminals

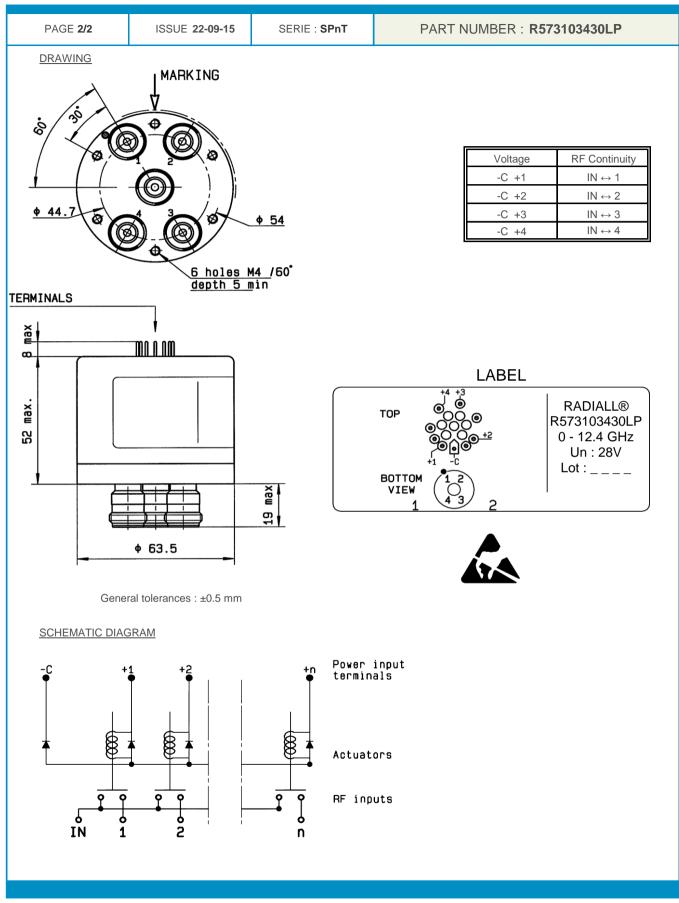
|   | GE 1/2 ISSUE  |   | 22-09-15 SERIE : SPnT                |               | : SPnT   | PART NUMBER : <b>R573103430LP</b>   |  |
|---|---|---|--------------------------------------|---------------|--|-------------------------------------|--|
| RF CI   | HARACTERIS  | STICS   |                                      |               |  |                                     |  |
|   |   |   |                                      |               |  |                                     |  |
|   | Number of w   | ays   |                                      | :             | 4  |                                     |  |
|   | Frequency ra  | ange  |                                      | :             | 0 - 12.4 GHz                                     |                                     |  |
|   | Impedance   |   |                                      | :             | 50 Ohms  |                                     |  |
|   |   |   |                                      |               |  |                                     |  |
| Frequency (GHz)   |   | GHZ)  | DC - 3                               | 3 - 8         | 8 - 12.4   |                                     |  |
| VSWR max  |   | 1.20 1.35   |                                      | 1.50          |  |                                     |  |
| Insertion loss max  |   | 0.20 dB 0.35 dB   |                                      | 0.50 dB       |  |                                     |  |
|   | Isolation min   |   | 80 dB                                | 70 dB         | 60 dB  |                                     |  |
|   | Average pow   | ver (°)   | 400 W                                | 250 W         | 200 W  |                                     |  |
|   |   |   |                                      | Passive inte  | rmodulation                                      |                                     |  |
|   | Tone 1  |   | 1810 MHz, approximately 43 dBm       |               |  | JBm                                 |  |
|   | Tone 2  |   | 1850 MHz, approximately 43 dBm       |               |  | IBm                                 |  |
|   | 3 <sup>rd</sup> order PIM   |   | - 160 dBc at 1770 MHz                |               |  |                                     |  |
|   |   |   |                                      |               |  | neasurements can vary.              |  |
|   | PIM testing i   | s not measu   | ed during pro                        | oduct accepta | ance test.                                       |                                     |  |
| Nominal current **<br>Actuator voltage (Vcc)<br>Terminals |   | -   |                                      | 28V (24 to 3  | 0V) / NEGATIVE COMMON<br>(250°C max. / 30 sec.)  |                                     |  |
|   |   |   |                                      |               |  |                                     |  |
| MECH  | HANICAL CH  | ARACTERIS   | TICS                                 |               |  |                                     |  |
| MECH  | HANICAL CH  |   | TICS                                 | :             | N female pe                                      | r MIL-C 39012                       |  |
| MECH  |   |   | <u>TICS</u>                          |               | -  | r MIL-C 39012<br>/cles per position |  |
| MECH  | Connectors*   | ***   | <u>TICS</u>                          | :             | -  |                                     |  |
| MECH  | Connectors*<br>Life   | ****<br>me***   | <u>TICS</u>                          | :             | 2.000.000 cy<br>< 15 ms<br>Splashproo            | cles per position                   |  |
| MECH  | Connectors*<br>Life<br>Switching Tir  | ****<br>me***   | <u>TICS</u>                          | :             | 2.000.000 cy<br>< 15 ms                          | cles per position                   |  |
|   | Connectors*<br>Life<br>Switching Tin<br>Construction  | ****<br>me***   |                                      | :             | 2.000.000 cy<br>< 15 ms<br>Splashproo            | cles per position                   |  |
|   | Connectors*<br>Life<br>Switching Tin<br>Construction<br>Weight  | ****<br>me***<br>_ CHARACTE   | ERISTICS                             | :             | 2.000.000 cy<br>< 15 ms<br>Splashproo            | rcles per position<br>f             |  |
|   | Connectors*<br>Life<br>Switching Tir<br>Construction<br>Weight<br>RONMENTAL   | ****<br>me***<br><u>- CHARACTE</u><br>mperature ra  | <u>ERISTICS</u>                      | :             | 2.000.000 cy<br>< 15 ms<br>Splashproo<br>< 460 g | rcles per position<br>f<br>I°C      |  |
|   | Connectors*<br>Life<br>Switching Tin<br>Construction<br>Weight<br>RONMENTAL<br>Operating te<br>Storage tem                                | ****<br>me***<br><u>CHARACTE</u><br>mperature rano  | <u>ERISTICS</u><br>nge<br>je         | :             | 2.000.000 cy<br>< 15 ms<br>Splashproo<br>< 460 g | rcles per position<br>f<br>P°C      |  |
|   | Connectors*<br>Life<br>Switching Tin<br>Construction<br>Weight<br>RONMENTAL   | ****<br>me***<br><u>CHARACTE</u><br>mperature rang<br>perature rang   | <u>ERISTICS</u><br>nge<br>je         | :             | 2.000.000 cy<br>< 15 ms<br>Splashproo<br>< 460 g | rcles per position<br>f<br>P°C      |  |
| <u>ENVI</u>   | Connectors*<br>Life<br>Switching Tin<br>Construction<br>Weight<br>RONMENTAL<br>Operating te<br>Storage temp<br>Average pow                | ****<br>me***<br><u>CHARACTE</u><br>mperature rang<br>perature rang<br>ver at 25°C p<br>)%)                 | <u>ERISTICS</u><br>nge<br>je         | :             | 2.000.000 cy<br>< 15 ms<br>Splashproo<br>< 460 g | rcles per position<br>f<br>P°C      |  |
| <u>ENVI</u>   | Connectors*<br>Life<br>Switching Tin<br>Construction<br>Weight<br>RONMENTAL<br>Operating te<br>Storage tem<br>Average pow<br>At 25° C ±10 | ****<br>me***<br><u>CHARACTE</u><br>mperature rang<br>perature rang<br>ver at 25°C p<br>)%)<br>age ; 25° C) | ERISTICS<br>nge<br>ge<br>er RF Path) | :             | 2.000.000 cy<br>< 15 ms<br>Splashproo<br>< 460 g | rcles per position<br>f<br>P°C      |  |

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