

**Electrical Characteristics: RF-Switch**

3724.99.0030.00'

|                                   |   |             |                         |                             |            |
|-----------------------------------|---|-------------|-------------------------|-----------------------------|------------|
| <b>Impedance :</b>                |   |             | <b>50</b>               |                             | Ohm        |
| <b>Operating Frequency :</b>      |   |             | <b>3</b>                |                             | GHz        |
|                                   |   | unswitched  |                         | switched with:              |            |
| <b>Return-loss [dB] :</b>         |   |             |                         | <b>3727 (K-2082)</b>        |            |
| .....1 GHz                        | >   | <b>30</b>   | <i>RG 316</i> <b>27</b> | <i>Enviroflex</i> <b>22</b> |            |
| .....2 GHz                        | >   | <b>27</b>   | <b>18</b>               | <b>16</b>                   |            |
| .....3 GHz                        | >   | <b>25</b>   | <b>16</b>               | <b>13</b>                   |            |
| .....4 GHz                        | >   | <b>23</b>   |                         |                             |            |
| .....6 GHz                        | >   | <b>16</b>   |                         |                             |            |
| <b>Insertion-loss [dB] :</b>      |   |             |                         |                             |            |
| .....1 GHz                        | <   | <b>0,1</b>  | <b>0,15</b>             |                             |            |
| .....2 GHz                        | <   | <b>0,15</b> | <b>0,25</b>             |                             |            |
| .....3 GHz                        | <   | <b>0,2</b>  | <b>0,35</b>             |                             |            |
| .....4 GHz                        | <   | <b>0,3</b>  |                         |                             |            |
| .....6 GHz                        | <   | <b>0,6</b>  |                         |                             |            |
| <b>Contact resistance :</b>       | center contact <                                | <b>100</b>  | <b>100</b>              |                             | mOhm       |
|                                   | outer contact <                                 | <b>25</b>   | <b>25</b>               |                             | mOhm       |
| <b>Isolation [dB] :</b>           |   |             |                         |                             |            |
| .....1 GHz                        | >   |             | <b>23</b>               |                             | dB         |
| .....2 GHz                        | >   |             | <b>17</b>               |                             | dB         |
| .....3 GHz                        | >   |             | <b>15</b>               |                             | dB         |
| <b>Proof Voltage (Veff/50Hz):</b> |   |             | <b>600</b>              |                             | V          |
| <b>Operating Voltage:</b>         |   |             | <b>150</b>              |                             | V          |
| <b>Insulation Resistance :</b>    | >   |             | <b>1</b>                |                             | GOhm       |
| <b>Additional notes:</b>          | Attention! Values strongly depending on layout! |             |                         |                             |            |
|                                   | Last update:                                    |             |                         |                             | 10.11.2004 |