DSL02

Secondary protection for xDSL lines

**Features**
- High surge capability to comply with GR-1089 and ITU-T K20/21
- Stand-off voltage: 5 V, 8 V, 10 V
- Low capacitance device
- RoHS package
- Low leakage current: 0.5 µA at 25 °C

**Complies with the following standards**
- Telcordia GR-1089
  - 2.5 kV 2/10 μs - 500 A 2/10 μs
  - AC power fault tests
- ITU-T K20/21/45
  - 6 kV 10/700 μs - 150 A 5/310 μs
  - power induction tests
  - power contact tests
- IEC 61000-4-2, level 4
  - 15 kV (air discharge)
  - 8 kV (contact discharge)
- MIL STD 883G-Method 3015-7: Class 3
  - 25 kV (human body model)

**Description**
DSL02 is designed to protect DSL line drivers against surges defined in worldwide telecommunication standards. This device protects line drivers of various systems such as ADSL and VDSL. The low capacitance makes it suitable from ADSL to VDSL data rates.

DSL02 is able to survive severe conditions even when used with downgraded or oscillating gas tube.

DSL02 is packaged in a SOT23-5L.
1 Ordering information

Table 1. Ordering information

<table>
<thead>
<tr>
<th>Order code</th>
<th>Marking</th>
<th>Package</th>
<th>Weight</th>
<th>Base qty</th>
<th>Delivery mode</th>
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<tbody>
<tr>
<td>DSL02-005SC5</td>
<td>YT05</td>
<td>SOT23-5L</td>
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<td>3000</td>
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<td>YT10</td>
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2 Revision history

Table 2. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Changes</th>
</tr>
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<tbody>
<tr>
<td>04-June-2012</td>
<td>1</td>
<td>Initial release.</td>
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