

Secondary protection for xDSL lines

Data brief — production data

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 μ A at 25 °C

Complies with the following standards

- Telcordia GR-1089
 - 2.5 kV 2/10 μ s - 500 A 2/10 μ s
 - AC power fault tests
- ITU-T K20/21/45
 - 6 kV 10/700 μ s - 150 A 5/310 μ s
 - 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.

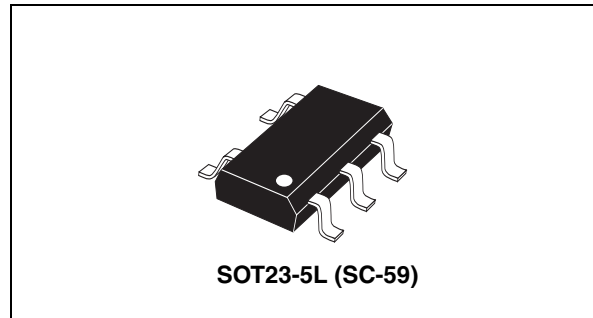
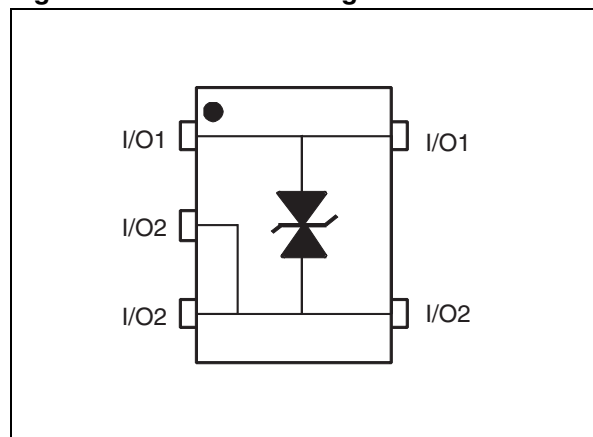


Figure 1. Functional diagram



1 Ordering information

Table 1. Ordering information

Order code	Marking	Package	Weight	Base qty	Delivery mode
DSL02-005SC5	YT05	SOT23-5L	16 mg	3000	Tape and reel
DSL02-008SC5	YT08				
DSL02-010SC5	YT10				

2 Revision history

Table 2. Document revision history

Date	Revision	Changes
04-June-2012	1	Initial release.

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