

AVALANCHE DIODE

DL143-800

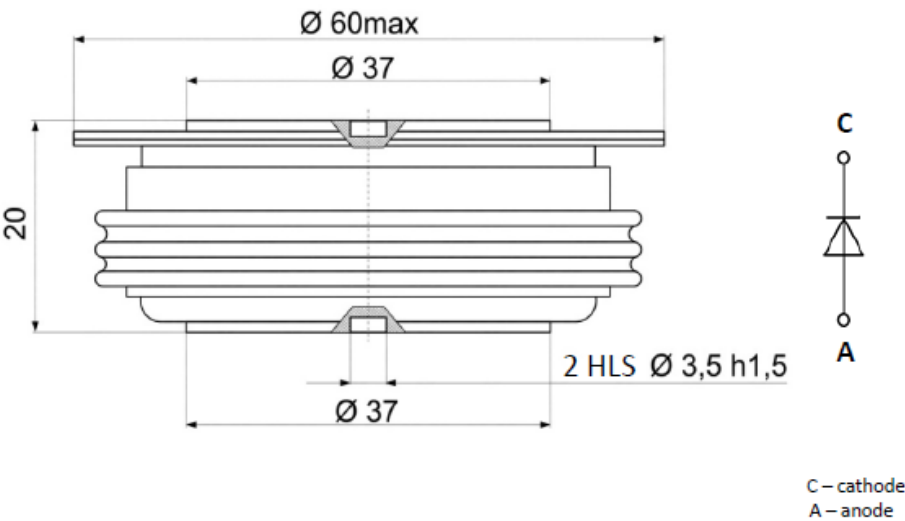
TECHNICAL PASSPORT



1. General product information and technical data

1.1 Date of manufacture: _____ 2026 y.

1.2 Overall, mounting and connection dimensions of the diode



Weight, max. – 240 g
Clamping force – 13.5 – 16.5 kN

1.3 Certificate of acceptance

Diode _____ DL143-800
in the amount of _____ pieces correspond to the requirements and norms,
and recognized serviceable.

Quality Control Department _____ "____" _____ 2026 y.

1.4 Electrical characteristics of the diode DL143-800

Maximum allowable average forward current	I_{FAV}	880 A
Repetitive reverse blocking voltage	V_{RRM}	1800 - 3400 V
RMS forward current	I_{FRMS}	1380 A
Maximum forward surge current	I_{FSM}	11 kA
Maximum forward voltage	V_{FM}	1.85 V
Maximum forward current	I_{FM}	2500 A
Threshold voltage	V_{T0}	1.00 V
Slope resistance	r_T	0.50 m Ω
Repetitive reverse current	I_{RRM}	50 mA
I^2t -value	I^2t	605 kA ² s
Maximum junction temperature	$T_{vj\ max}$	160 °C
Maximum thermal resistance, junction to case	R_{thjc}	0.27 °C/W
Maximum thermal resistance, case to heatsink	R_{thch}	0.10 °C/W

When the consumer verifies the compliance of diodes to the standards of current technical specifications tests should be carried out in accordance the defined diodes and methods.

2.0 Warranty policy

2.1 The manufacturer guarantees compliance of the diodes with the requirements and norms. The warranty period is 2 years from the date of purchase, provided the operating rules and regulations are observed.

3.0 Contents of delivery

3.1 The delivery set includes: a batch of diodes in accordance with section 1.4; diode technical passport.

4.0 Manufacturer

