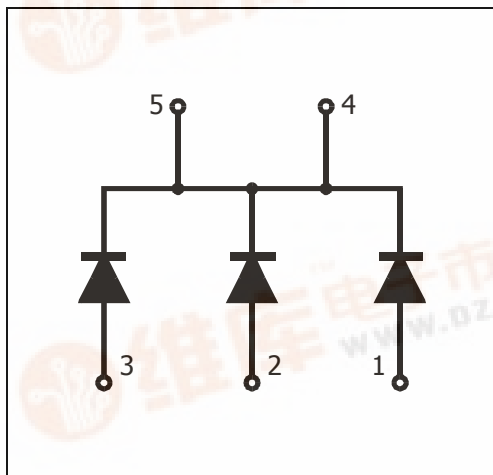


Trio

Trio

Triple Exciter Diode for Automotive Alternators etc Dreifach-Erregerdiode für Bordnetzgeneratoren etc.

Version 2006-09-21



Nominal output current Nenn-Ausgangsstrom	4 A
Repetitive peak reverse voltage Periodische Spitzensperrspannung	150 V
Plastic case (see next page) Kunststoffgeh. (siehe nächste Seite)	39.6 x 11.6 x 8.3 [mm]
Weight approx. Gewicht ca.	35 g
Compound has classification UL94V-0 Vergussmasse nach UL94V-0 klassifiziert	
Standard packaging bulk Standard Lieferform lose im Karton	



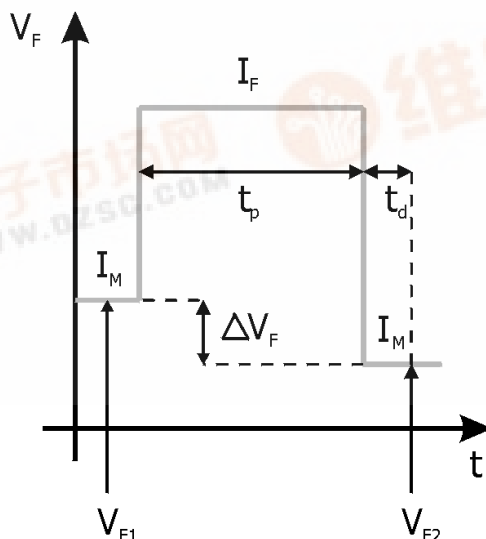
Maximum ratings and Characteristics

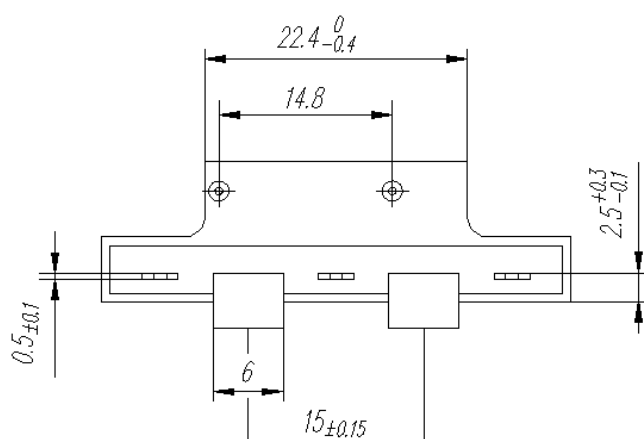
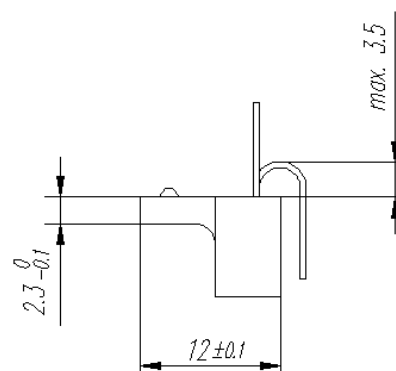
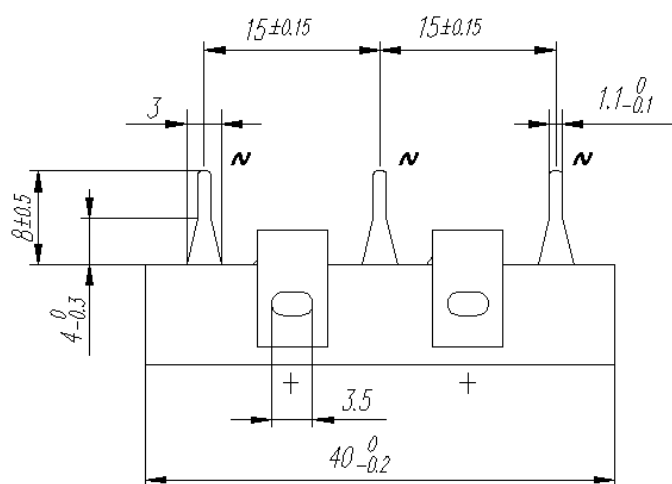
Grenz- und Kennwerte

Repetitive peak reverse voltage Periodische Spitzensperrspannung	V_{RRM}	150 V
Nominal output current Nenn-Ausgangsstrom	$T_C = 80^\circ\text{C}$ I_O	4 A
Forward voltage – Durchlass-Spannung	$T_j = 25^\circ\text{C}$ $I_F = 4\text{ A}$	$V_F < 1.0\text{ V}$
Leakage current – Sperrstrom	$T_j = 25^\circ\text{C}$ $V_R = V_{RRM}$ $T_j = 150^\circ\text{C}$ $V_R = V_{RRM}$	$I_R < 10\text{ }\mu\text{A}$ $I_R < 2\text{ mA}$
Operating junction temperature – Sperrschichttemperatur	T_j	$-40\dots+150^\circ\text{C}$
Storage temperature – Lagerungstemperatur	T_s	$-40\dots+120^\circ\text{C}$
V_F difference after heat-up by power pulse, see below V_F Differenz nach Erwärmung durch Leistungspuls, siehe unten	ΔV_F	$< 100\text{ mV}$

$I_M = 10\text{ mA}$
 $I_F = 15\text{ A}$
 $t_p = 200\text{ ms}$
 $t_d = 100\text{ }\mu\text{s}$

$$\Delta V_F = V_{F1} - V_{F2}$$





Dimensions - Maße [mm]

