

Avalanche Rectifier Diodes

Type	V_{RRM} V $V_{RSM} = V_{RRM} + 100$ V	I_{FRMSM} A	I_{FSM} kA 10 ms, $T_{vj\ max}$	$\int i^2 dt$ $A^2 \cdot s \cdot 10^3$ 10 ms, $T_{vj\ max}$	I_{FAVM}/T_c $A/^\circ C$ 180° sinus	$V_{(TO)}$ V $T_{vj} = T_{vj\ max}$	r_T $m\Omega$ $T_{vj} = T_{vj\ max}$	$V_{(BR)}$ A min.	R_{thJC} $^\circ C/W$ 180° el sin	$T_{vj\ max}$ $^\circ C$	Outline / page
D 126 A 45	4500	315	2,30	26,45	126/100 200/35	0,86	3,2	4800	0,257	160	DSW27.2/83
D 126 B 45	4500	300	2,10	22,00	126/80 190/9	0,86	3,2	4800	0,337	160	DSW27.2/83
DD 126 A 45 K-B9*	4500	220	2,30	26,45	128/100	0,86	3,2	4800	0,060	160	DP30.1/77

* Non isolated module

Welding Diodes

up to 600 V											
Type	V_{RRM} V $V_{RSM} = V_{RRM} + 100$ V (50 V) ¹⁾	I_{FRMSM} A	I_{FSM} kA 10 ms, $T_{vj\ max}$	$\int i^2 dt$ $A^2 \cdot s \cdot 10^3$ 10 ms $T_{vj\ max}$	I_{FAVM}/T_c $A/^\circ C$ 180° sinus	$V_{(TO)}$ V $T_{vj} = T_{vj\ max}$	r_T $m\Omega$ $T_{vj} = T_{vj\ max}$	R_{thJC} $^\circ C/W$ 180° el sin	$T_{vj\ max}$ $^\circ C$	Outline / page	
25 DN 06	600	1800	12,75	813	1145/155	0,7	0,188	0,0174	180	25DN06/87	
38 DN 06	600	4520	32,30	5200	2880/141	0,66	0,060	0,011	160	38DN06/87	
46 DN 06	600	8000	52,00	13500	5100/118	0,7	0,047	0,00935	180	46DN06/87	
56 DN 06	600	10050	70,00	24500	6400/116	0,7	0,040	0,0062	180	56DN06/87	
65 DN 06	600	13300	95,00	45000	8470/98	0,7	0,027	0,0047	180	65DN06/87	

Insulated Cells

Type	V_M V	V_{RMS} V_{DC}	CTI - Value	Iso-Class	$T_c(max)$ $^\circ C$	R_{thCK} $^\circ C/W$	$R_{thC-C(typ)}$ $^\circ C/W$	at clamp. force $V_W = 4$ l/min	F_{max} kN	Weight g	Outline / page
ISO 57/26	6400	2520	250	III a	150	0,010	0,088	at 12kN	30	260	157.26/88
ISO 72/8	2250	700	250	III a	150	0,005	0,028	at 20kN	45	130	173.8/88
ISO 75/14	3500	1250	250	III a	150	0,005	0,0435	at 20kN	45	245	175.14/88
ISO 75/26	5900	2250	250	III a	150	0,005	0,048	at 20kN	45	460	175.26/88
ISO 65/35	10600	4180	250	III a	150	0,010	0,136	at 12kN	30	350	165.35/88
ISO 120/35	11700	4400	250	III a	150	0,002	0,0275	at 30kN	70	1650	1120.35/88

* On request

Insulating disc with water cooling

Insulating material: Al N

¹⁾ Water cooling with $V_W = 4$ l/min