

DSA
Avalanche Diodes

DSA
Avalanche-Dioden

DSA
Diodes avalanche

Type Ordering number Bestellnummer Num. de commande	V _{RRM} V	I _{FRMS} T _C =50°C A	I _{FAVM} T _C =100°C A	I _{FSM}		V _{TO} V	r _F mΩ	P _{RSM} 20 μs kW	T _{VJM} °C	R _{thJC} K/W	F kN	Fig. No.	Datasheet Datenblatt Feuille technique
				8,3 ms kA	10 ms kA								
DSA(I)403-38...50 GG, L1G	3800...5000	1040	425	8.5	7.8	1.06	1.05	50	160	0.06	3.5	3/4	HEKSV-403GG-831
DSA(I)503-23...32 GE, L1E	2300...3200	1420	570	11.1	10.3	0.90	0.51	50	160	0.06	3.5		HEKSV-503GE-831
DSA(I)603-11...20 GC, L1C	1100...2000	1740	690	13.5	12.6	0.78	0.32	50	160	0.06	3.5	3/4	HEKSV-603GC-831
DSA 405-38...50 A (G)	3800...5000	1200	510	7.6	7.0	1.10	1.01	50	160	0.05	11	6	CH-E3.40558.1
DSA 605-23...32 A (E)	2300...3200	1600	670	10.0	9.2	0.93	0.52	50	160	0.05	11	6	CH-E3.40552.1
DSA 705-11...20 A (C)	1100...2000	2000	835	14.5	13.5	0.83	0.30	50	160	0.05	11	6	CH-E3.40557.1
DSA 908-38...50 A (G)	3800...5000	2850	1220	19.0	17.5	1.13	0.44	50	160	0.02	22	7	CH-E3.40561.1
DSA 1208-23...32 A (D)	2300...3200	3800	1615	25.0	23.5	0.95	0.23	75	160	0.02	22	7	CH-E3.40562.1
DSA 1508-11...20 A (B)	1100...2000	5600	2300	33.5	31.0	0.79	0.09	100	160	0.02	22	7	CH-E3.40563.1
DSA 1508-11...20 E (B)												9	
DSA 1518-11...20 A (B)*												7	
DSA 1518-11...20 E (B)*												9	

* High temperature version
(T_v ≤ 200°C).

* Hoch-Temperatur-Ausführung
(T_v ≤ 200°C).

* Exécution haute température
(T_v ≤ 200°C).

**Main Forward
Voltage Drop Classes**

**Haupt-Durchlaß-
Spannungsklassen**

**Classes principales de
chute de tension directe**

Type Ordering number Bestellnummer Num. de commande	I _F A	V _{RRM}										
		1100 V	1400 V	1700 V	2000 V	2300 V	2600 V	2900 V	3200 V	3800 V	4400 V	5000 V
DSA(I) 403	1800									F, G	G, H	G, H
DSA(I) 503	1800					C, D	D	E	E, F			
DSA(I) 603	1800	B	B	B, C	C							
DSA 405	1800									F, G	G, H	G, H
DSA 605	1800					C, D	D	E	E, F			
DSA 705	1800	B	B	B, C	C, D							
DSA 908	4000									F, G	G, H	G, H
DSA 1208	4000					C, D	D	D, E	D, E			
DSA 1508, DSA 1518	4000	B	B	B, C	B, C, D							

DSD
Fast Switching Diodes

DSD
Schnelle Dioden

DSD
Diodes rapides

Type Ordering number Bestellnummer Num. de commande	V _{RRM} V	I _{FRMS} T _C =50°C A	I _{FAVM} T _C =85°C A	I _{FSM} tp = 10 ms kA	V _{TO} V	r _F mΩ	t _{rr} μs	T _{VJM} °C	R _{thJC} K/W	F kN	Fig. No.	Datasheet Datenblatt Feuille technique
DSD 625-25 A	2500	1180	470	11	1.09	0.88	6.5	125	0.04	11	6	CH-E3.40626.2
DSD 625-25 D	2500	1200	480	12.5	1.23	0.73	5.5	125	0.04	11	6	CH-E3.40630.2
DSD 625-30 A	3000	1055	425	11	1.38	0.94	7.5	125	0.04	11	6	CH-E3.40627.2
DSD 635-18...22 A	1800...2200	1180	470	11	1.09	0.88	6.5	125	0.04	11	6	CH-E3.40626.2
DSD 635-18...22 D	1800...2200	1200	480	12.5	1.23	0.73	5.5	125	0.04	11	6	CH-E3.40630.2
DSD 655-12...14 D	1200...1400	1400	565	10	1.21	0.41	3.7	125	0.04	11	6	CH-E3.40669.2
DSD 1028-25 A	2500	2325	950	20	1.15	0.4	7.5	125	0.02	22	7	CH-E3.40628.2
DSD 1028-25 D	2500	2750	1100	26.5	1.17	0.24	7.5	125	0.02	22	7	CH-E3.40631.2
DSD 1028-30 A	3000	1960	810	20	1.38	0.54	8	125	0.02	22	7	CH-E3.40629.2
DSD 1038-18...22 A	1800...2200	2325	950	20	1.15	0.4	7.5	125	0.02	22	7	CH-E3.40628.2
DSD 1038-18...22 D	1800...2200	2750	1100	26.5	1.17	0.24	7.5	125	0.02	22	7	CH-E3.40631.2
DSD 1058-12...14 D	1200...1400	2790	1140	20	1.12	0.23	4.5	125	0.02	22	7	CH-E3.40670.2
DSD 425-45 D	4500	750	310	5	1.77	1.86	6.6	125	0.04	11	6	CH-4UH 90012 E
DSD 828-45 D	4500	1560	650	12	1.80	0.8	10	125	0.02	22	7	CH-4UH 90013 E
DSD 1029-45 D	4500	2600	1074	20	1.60	0.4	11	125	0.014	40	5	CH-4UH 90014 E

DS
High Current Diodes

DS
Hochstrom-Dioden

DS
Diodes à courant élevé

Type Ordering number Bestellnummer Num. de commande	V _{RRM} V	I _{FRMS} T _C =50°C A	I _{FAVM} T _C =100°C A	I _{FSM} tp = 10 ms kA	V _{TO} V	r _F mΩ		T _{VJM} °C	R _{thJC} K/W	F kN	Fig. No.	Datasheet Datenblatt Feuille technique
DS 2008-02 A	200	7.6	3230	50	0.76	0.04		170	0.02	22	7	HEKSV-D2008
DS 6000-02 A	200	14.2	6100	55	0.74	0.03		170	0.01	22	10	CH-4UH 88009

YSD
Rectifier Diodes

YSD
Netzdioden

YSD
Diodes de réseau

Ordering number Bestellnummer Num. de commande	V _{RRM} V	I _{FRMS} T _C =90°C A	I _{FAVM} T _C =90°C A	I _{FSM} tp = 10 ms kA	V _{TO} V	r _F mΩ		T _{VJM} °C	R _{thJC} K/W	F kN	Fig. No.	Datasheet Datenblatt Feuille technique
YS 280 104 P22...P28	2200...2800	4940	3150	50	0.86	0.11		160	0.012	40	8	YSD 35-03
YS 280 103 P22...P28	2200...2800	5330	3400	54	0.8	0.1		160	0.012	40	8	YSD 35-01
YS 290 101 P22...P28	2200...2800	8080	5150	65	0.77	0.08		175	0.008	40	8	YSD 45-01

Diode Dimensions

Maßbilder Dioden

Dimensions des diodes

Dimensions in mm
A = Anode
K = Cathode

Abmessungen in mm
A = Anode
K = Kathode

Dimensions en mm
A = Anode
K = Cathode

Fig. 3

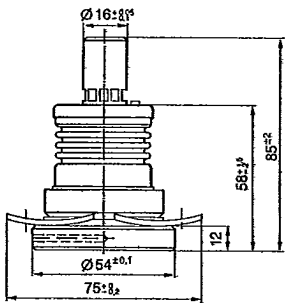


Fig. 6

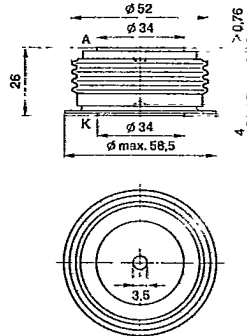


Fig. 9

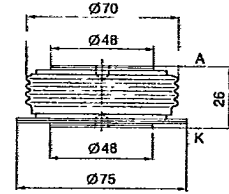


Fig. 4

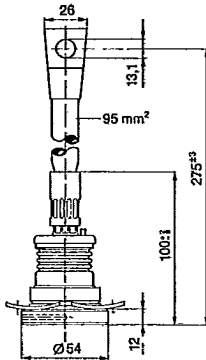


Fig. 7

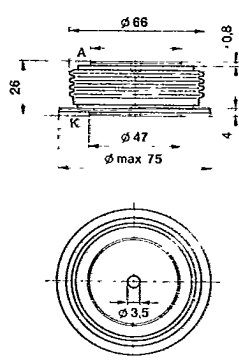


Fig. 10

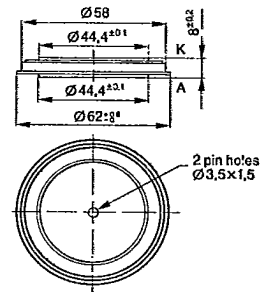


Fig. 5

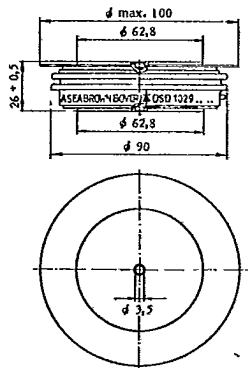


Fig. 8

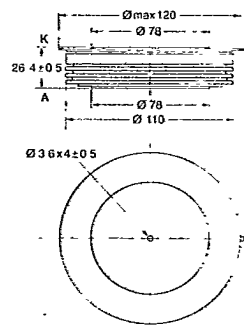


Fig. 11

Selection of high power diodes.
Auswahl von Hochleistungsdioden.
Sélection de diodes de haute puissance.

