

Rectifier Diodes



$I_{FAV} = 2 - 25 \text{ A}$, Standard Diodes (DS..), Avalanche Diodes (DSA..)

Type	V_{RRM}	I_{FAV}	P_{RSM}	I_{FRSM}	I_{FRM}	V_{TS}	r_f	T_{VM}	R_{thJA}	Package style
	V	$T_A=45^\circ\text{C}$ A	KW	A	45°C A 10 ms	V	mΩ	$^\circ\text{C}$	K/W	
DSA 1-18 D *	1800	2.3	1.6	7	110	0.5	67	150	60	 Fig. 8 Weight 0.8 g
DSA 1-16 D	1600	-	1.6	-	-	-	-	-	-	
● DS 1-16 D	1600	-	-	-	-	-	-	-	-	
● DSA 1-14 D	1400	-	1.6	-	-	-	-	-	-	
● DS 1-14 D	1400	-	-	-	-	-	-	-	-	
DSA 1-12 D	1200	2.3	1.6	7	110	0.8	67	150	60	 Fig. 9 Weight = 1.5 g
DS 1-12 D	1200	-	-	-	-	-	-	-	-	
DSA 2-18 A *	1800	3.6	2.5	7	120	0.55	43	180	30	
● DSA 1.2-18 E	1800	2.3	1.7	-	75	-	67	-	37.5	
DSA 2-16 A	1600	3.6	2.5	7	120	0.85	43	180	30	
● DS 2-16 A	1600	3.6	-	-	120	-	43	-	30	
● DSA 1.2-16 E	1600	2.3	1.7	-	75	-	67	-	37.5	
● DS 1.2-16 E	1600	2.3	-	-	75	-	67	-	37.5	
● DSA 2-14 A	1400	3.6	2.5	-	120	-	43	-	30	
● DS 2-14 A	1400	3.6	-	-	120	-	43	-	30	
● DSA 1.2-14 E	1400	2.3	1.7	-	75	-	67	-	37.5	
● DS 1.2-14 E	1400	2.3	-	-	75	-	67	-	37.5	
DSA 2-12 A	1200	3.6	2.5	7	120	0.85	43	180	30	
● DSA 1.2-12 E	1200	2.3	1.7	-	75	-	67	-	37.5	
DS 2-12 A	1200	3.6	-	7	120	0.85	43	180	30	
● DS 1.2-12 E	1200	2.3	-	-	75	-	67	-	37.5	
DS 2-08 A	800	3.6	-	7	120	0.85	43	180	30	
● DS 1.2-08 E	800	2.3	-	-	75	-	67	-	37.5	
● DS 2-04 A	400	3.6	-	-	120	-	43	-	30	
● DS 1.2-04 E	400	2.3	-	-	75	-	67	-	37.5	

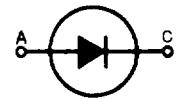
Type	V_{RRM}	I_{FAV}	P_{RSM}	I_{FRSM}	I_{FRM}	V_{TS}	r_f	T_{VM}	R_{thJC}	R_{thCK}	Package style
	V	$T_C=100^\circ\text{C}$ A	KW	A	45°C A 10 ms	V	mΩ	$^\circ\text{C}$	K/W	K/W	
DSA 9-18 F *	1800	11	4.5	18	250	0.55	15	180	2	1	 Fig. 10 DO-203 AA (DO-4) Weight = 5 g
● DSA 6-18 F	1800	10	3.4	16	180	-	30	-	3	-	
DSA 9-16 F	1600	11	4.5	18	250	0.85	15	180	2	1	
● DS 9-16 F	1600	11	-	18	250	-	15	-	2	-	
● DSA 6-16 F	1600	10	3.4	16	180	-	30	-	3	-	
● DS 6-16 F	1600	10	-	16	180	-	30	-	3	-	
● DSA 9-14 F	1400	11	4.5	18	250	-	15	-	2	-	
● DS 9-14 F	1400	11	-	18	250	-	15	-	2	-	
● DSA 6-14 F	1400	10	3.4	16	180	-	30	-	3	-	
● DS 6-14 F	1400	10	-	16	180	-	30	-	3	-	
DSA 9-12 F	1200	11	4.5	18	250	0.85	15	180	2	1	
● DSA 6-12 F	1200	10	3.4	16	180	-	30	-	3	-	
DS 9-12 F	1200	11	-	18	250	0.85	15	180	2	1	
● DS 6-12 F	1200	10	-	16	180	-	30	-	3	-	
DS 9-08 F	800	11	-	18	250	0.85	15	180	2	1	
● DS 6-08 F	800	10	-	16	180	-	30	-	3	-	
● DS 9-04 F	400	11	-	18	250	-	15	-	2	-	
● DS 6-04 F	400	10	-	16	180	-	30	-	3	-	
DSA 17-18 A *	1800	25	7	40	370	0.85	8	180	1.5	0.6	 Fig. 11 Weight = 6 g DO-203 AA (DO-4)
DSA 17-16 A	1600	-	7	-	-	-	-	-	-	-	
● DS 17-16 A	1600	-	-	-	-	-	-	-	-	-	
● DSA 17-14 A	1400	-	7	-	-	-	-	-	-	-	
● DS 17-14 A	1400	-	-	-	-	-	-	-	-	-	
DSA 17-12 A	1200	25	7	40	370	0.85	8	180	1.5	0.6	
DS 17-12 A	1200	-	-	-	-	-	-	-	-	-	
DS 17-08 A	800	-	-	-	-	-	-	-	-	-	
● DS 17-06 A	600	-	-	-	-	-	-	-	-	-	
● DS 17-04 A	400	-	-	-	-	-	-	-	-	-	
● DS 17-02 A	200	-	-	-	-	-	-	-	-	-	

* Delivery time on request - Data according to DIN / IEC 747-2

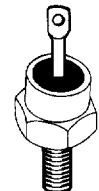
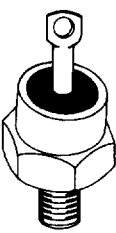
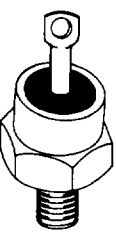
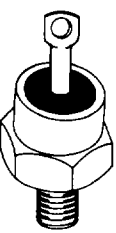
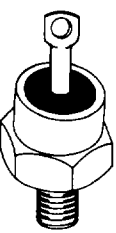
● Part numbers have been replaced by the next higher prime product in this category.

A = Anode, C = Cathode

Rectifier Diodes



$I_{FAV} = 25 - 100 \text{ A}$, Standard Diodes (DS..), Avalanche Diodes (DSA..)

Type	V_{RRM} V	I_{FAV} $T_C=100^\circ\text{C}$ A	P_{RSM} KW	I_{TSM} A	I_{TSM} 45°C 10 ms A	V_{TO} V	r_f mΩ	T_{VM} °C	$R_{th(j-c)}$ K/W	$R_{th(j-r)}$ K/W	Package style See outlines on page 31
DSA17-16 A * DSA17-16 A	1800	25	11	80	650	0.85	4.5	180	1.05	0.2	Fig. 11 Weight = 6 g DO-203 AA (DO-4) 
● DSI 17-16 A	1600		-								
● DSA17-14 A	1400		7								
● DSI 17-14 A	1400		-								
DSA17-12 A	1200	25	7	80	650	0.85	4.5	180	1.05	0.2	
DSI 17-12 A	1200		-								
DSI 17-08 A	800		-								
● DSI 17-06 A	600		-								
● DSI 17-04 A	400		-								
● DSI 17-02 A	200		-								
DSA 35-18 A *	1800	52	11	80	650	0.85	4.5	180	1.05	0.2	Fig. 12 DO-203 AB (DO-5) Weight = 15 g 
DSA 35-18 A	1600		11								
● DS 35-16 A	1600		-								
● DSA 35-14 A	1400		11								
● DS 35-14 A	1400		-								
DSA 35-12 A	1200	52	11	80	650	0.85	4.5	180	1.05	0.2	
DS 35-12 A	1200		-								
DS 35-08 A	800		-								
● DS 35-06 A	600		-								
● DS 35-04 A	400		-								
● DS 35-02 A	200		-								
DSA135-18 A *	1800	52	11	80	650	0.85	4.5	180	1.05	0.2	Fig. 13 ~DO-203 AB (DO-5) Weight = 21 g 
DSA135-18 A	1600		11								
● DSI 35-16 A	1600		-								
● DSA135-14 A	1400		11								
● DSI 35-14 A	1400		-								
DSA135-12 A	1200	52	11	80	650	0.85	4.5	180	1.05	0.2	
DSI 35-12 A	1200		-								
DSI 35-08 A	800		-								
● DSI 35-06 A	600		-								
● DSI 35-04 A	400		-								
● DSI 35-02 A	200		-								
DSA 75-18 A *	1800	100	20	160	1400	0.85	2.5	180	0.5	0.3	Fig. 13 ~DO-203 AB (DO-5) Weight = 21 g 
DSA 75-18 A	1600		20								
● DS 75-16 A	1600		-								
● DSA 75-14 A	1400		20								
● DS 75-14 A	1400		-								
DSA 75-12 A	1200	100	20	160	1400	0.85	2.5	180	0.5	0.3	
DS 75-12 A	1200		-								
DS 75-08 A	800		-								
● DS 75-06 A	600		-								
● DS 75-04 A	400		-								
● DS 75-02 A	200		-								
DSA175-18 A *	1800	100	20	160	1400	0.85	2.5	180	0.5	0.3	Fig. 13 ~DO-203 AB (DO-5) Weight = 21 g 
DSA175-18 A	1600		20								
● DSI 75-16 A	1600		-								
● DSA175-14 A	1400		20								
● DSI 75-14 A	1400		-								
DSA175-12 A	1200	100	20	160	1400	0.85	2.5	180	0.5	0.3	
DSI 75-12 A	1200		-								
DSI 75-08 A	800		-								
● DSI 75-06 A	600		-								
● DSI 75-04 A	400		-								
● DSI 75-02 A	200		-								

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Rectifier Diodes



$I_{FAV} = 2 - 25 \text{ A}$, Standard Diodes (DS..), Avalanche Diodes (DSA..)

Type	V_{RRM}	I_{FAV}	P_{RSM}	I_{FRSM}	I_{FRM}	V_{TS}	r_f	T_{VM}	R_{thJA}	Package style
	V	$T_A=45^\circ\text{C}$ A	KW	A	45°C A 10 ms	V	mΩ	$^\circ\text{C}$	K/W	
DSA 1-18 D *	1800	2.3	1.6	7	110	0.5	67	150	60	 Fig. 8 Weight 0.8 g
DSA 1-16 D	1600	-	1.6	-	-	-	-	-	-	
● DS 1-16 D	1600	-	-	-	-	-	-	-	-	
● DSA 1-14 D	1400	-	1.6	-	-	-	-	-	-	
● DS 1-14 D	1400	-	-	-	-	-	-	-	-	
DSA 1-12 D	1200	2.3	1.6	7	110	0.8	67	150	60	 Fig. 9 Weight = 1.5 g
DS 1-12 D	1200	-	-	-	-	-	-	-	-	
DSA 2-18 A *	1800	3.6	2.5	7	120	0.55	43	180	30	
● DSA 1.2-18 E	1800	2.3	1.7	-	75	-	67	-	37.5	
DSA 2-16 A	1600	3.6	2.5	7	120	0.85	43	180	30	
● DS 2-16 A	1600	3.6	-	-	120	-	43	-	30	
● DSA 1.2-16 E	1600	2.3	1.7	-	75	-	67	-	37.5	
● DS 1.2-16 E	1600	2.3	-	-	75	-	67	-	37.5	
● DSA 2-14 A	1400	3.6	2.5	-	120	-	43	-	30	
● DS 2-14 A	1400	3.6	-	-	120	-	43	-	30	
● DSA 1.2-14 E	1400	2.3	1.7	-	75	-	67	-	37.5	
● DS 1.2-14 E	1400	2.3	-	-	75	-	67	-	37.5	
DSA 2-12 A	1200	3.6	2.5	7	120	0.85	43	180	30	
● DSA 1.2-12 E	1200	2.3	1.7	-	75	-	67	-	37.5	
DS 2-12 A	1200	3.6	-	7	120	0.85	43	180	30	
● DS 1.2-12 E	1200	2.3	-	-	75	-	67	-	37.5	
DS 2-08 A	800	3.6	-	7	120	0.85	43	180	30	
● DS 1.2-08 E	800	2.3	-	-	75	-	67	-	37.5	
● DS 2-04 A	400	3.6	-	-	120	-	43	-	30	
● DS 1.2-04 E	400	2.3	-	-	75	-	67	-	37.5	

Type	V_{RRM}	I_{FAV}	P_{RSM}	I_{FRSM}	I_{FRM}	V_{TS}	r_f	T_{VM}	R_{thJC}	R_{thCK}	Package style
	V	$T_C=100^\circ\text{C}$ A	KW	A	45°C A 10 ms	V	mΩ	$^\circ\text{C}$	K/W	K/W	
DSA 9-18 F *	1800	11	4.5	18	250	0.55	15	180	2	1	 Fig. 10 DO-203 AA (DO-4) Weight = 5 g
● DSA 6-18 F	1800	10	3.4	16	180	-	30	-	3	-	
DSA 9-16 F	1600	11	4.5	18	250	0.85	15	180	2	1	
● DS 9-16 F	1600	11	-	18	250	-	15	-	2	-	
● DSA 6-16 F	1600	10	3.4	16	180	-	30	-	3	-	
● DS 6-16 F	1600	10	-	16	180	-	30	-	3	-	
● DSA 9-14 F	1400	11	4.5	18	250	-	15	-	2	-	
● DS 9-14 F	1400	11	-	18	250	-	15	-	2	-	
● DSA 6-14 F	1400	10	3.4	16	180	-	30	-	3	-	
● DS 6-14 F	1400	10	-	16	180	-	30	-	3	-	
DSA 9-12 F	1200	11	4.5	18	250	0.85	15	180	2	1	
● DSA 6-12 F	1200	10	3.4	16	180	-	30	-	3	-	
DS 9-12 F	1200	11	-	18	250	0.85	15	180	2	1	
● DS 6-12 F	1200	10	-	16	180	-	30	-	3	-	
DS 9-08 F	800	11	-	18	250	0.85	15	180	2	1	
● DS 6-08 F	800	10	-	16	180	-	30	-	3	-	
● DS 9-04 F	400	11	-	18	250	-	15	-	2	-	
● DS 6-04 F	400	10	-	16	180	-	30	-	3	-	
DSA 17-18 A *	1800	25	7	40	370	0.85	8	180	1.5	0.6	 Fig. 11 Weight = 6 g DO-203 AA (DO-4)
DSA 17-16 A	1600	-	7	-	-	-	-	-	-	-	
● DS 17-16 A	1600	-	-	-	-	-	-	-	-	-	
● DSA 17-14 A	1400	-	7	-	-	-	-	-	-	-	
● DS 17-14 A	1400	-	-	-	-	-	-	-	-	-	
DSA 17-12 A	1200	25	7	40	370	0.85	8	180	1.5	0.6	
DS 17-12 A	1200	-	-	-	-	-	-	-	-	-	
DS 17-08 A	800	-	-	-	-	-	-	-	-	-	
● DS 17-06 A	600	-	-	-	-	-	-	-	-	-	
● DS 17-04 A	400	-	-	-	-	-	-	-	-	-	
● DS 17-02 A	200	-	-	-	-	-	-	-	-	-	

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