

Thyristor/Diode Modules



800V - 1800V
250A - 310A



800V - 1800V
130A - 160A



800V - 1800V
25A - 105A

Thyristor/Diode Modules

DIODE/DIODE

Type	V_{RRM} V	I_{FAV} A	T_C °C	I_{FRMS} A	I_{FSM} A	$V_F @ I_T(T_{vj}=25°C)$ V	$I_T(T_{vj}=25°C)$ A	T_{vjM} °C	R_{thJC} K/W	R_{thCH} K/W	Outline
W4D25	800 - 1800	36	100	60	650	1.38	80	150	1	0.2	Fig.1
W4D45	800 - 1800	59	100	100	1150	1.6	200	150	0.59	0.2	Fig.1
W4D55	800 - 1800	71	100	150	1400	1.48	200	150	0.51	2	Fig.1
W4D90	800 - 1800	99	100	180	1700	1.6	300	150	0.35	0.2	Fig.1
W4D106	800 - 1800	120	105	180	2800	1.43	300	150	0.26	0.2	Fig.1
W4D132	800 - 1800	165	100	300	4700	1.3	300	150	0.21	0.1	Fig.2
W4D162	800 - 1800	190	100	300	6600	1.15	300	150	0.21	0.1	Fig.2
W4D250	800 - 1800	270	100	450	9500	1.4	600	150	0.14	0.04	Fig.3
W4D310	800 - 1800	310	100	480	11500	1.32	600	150	0.129	0.04	Fig.3

SCR/DIODE

Type	V_{RRM} V	I_{TAV} A	T_C °C	I_{TRMS} A	I_{TSM} A	$V_T @ I_T(T_{vj}=25°C)$ V	$I_T(T_{vj}=25°C)$ A	T_{vjM} °C	R_{thJC} K/W	R_{thCH} K/W	Outline
W4DA25	800 - 1600	27	85	50	520	1.64	80	125	0.88	0.2	Fig.1
W4DA45	800 - 1600	49	85	80	1150	1.75	200	125	0.53	0.2	Fig.1
W4DA55	800 - 1800	60	85	100	1500	1.57	200	125	0.45	0.2	Fig.1
W4DA90	800 - 1800	85	85	180	1700	1.74	300	125	0.3	0.2	Fig.1
W4DA105	800 - 1800	116	85	180	2250	1.5	300	125	0.22	0.2	Fig.1
W4DA132	800 - 1800	130	85	300	5500	1.36	300	125	0.23	0.1	Fig.2
W4DA162	800 - 1800	181	85	300	6000	1.25	300	125	0.155	0.07	Fig.2
W4DA250	800 - 1800	250	85	450	9000	1.36	600	140	0.129	0.04	Fig.3
W4DA310	800 - 1800	320	85	500	9200	1.36	600	140	0.112	0.04	Fig.3

SCR/SCR

Type	V_{RRM} V	I_{TAV} A	T_C °C	I_{TRMS} A	I_{TSM} A	$V_T @ I_T(T_{vj}=25°C)$ V	$I_T(T_{vj}=25°C)$ A	T_{vjM} °C	R_{thJC} K/W	R_{thCH} K/W	Outline
W4DC25	800 - 1600	27	85	50	520	1.64	80	125	0.88	0.2	Fig.1
W4DC45	800 - 1800	49	85	80	1150	1.75	200	125	0.53	0.2	Fig.1
W4DC55	800 - 1800	60	85	100	1500	1.57	200	125	0.45	0.2	Fig.1
W4DC90	800 - 1800	85	85	180	1700	1.74	300	125	0.3	0.2	Fig.1
W4DC105	800 - 1800	116	85	180	2250	1.5	300	125	0.22	0.2	Fig.1
W4DC132	800 - 1800	130	85	300	4750	1.36	300	125	0.23	0.1	Fig.2
W4DC162	800 - 1800	181	85	300	6000	1.25	300	125	0.155	0.07	Fig.2
W4DC250	800 - 1800	250	85	450	9000	1.36	600	140	0.129	0.04	Fig.3
W4DC310	800 - 1800	320	85	520	9200	1.36	600	140	0.12	0.04	Fig.3

Part Number Nomenclature

Classification	Type	Current (A)	Voltage (V)	Complete Part Number
W4	D Diode	25-310	N 800V	W4DA25PB
	DA SCR/Diode		P 1000V	
	DC SCR/SCR		PB 1200V	
			PD 1400V	
			PM 1600V	
			PN 1800V	

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