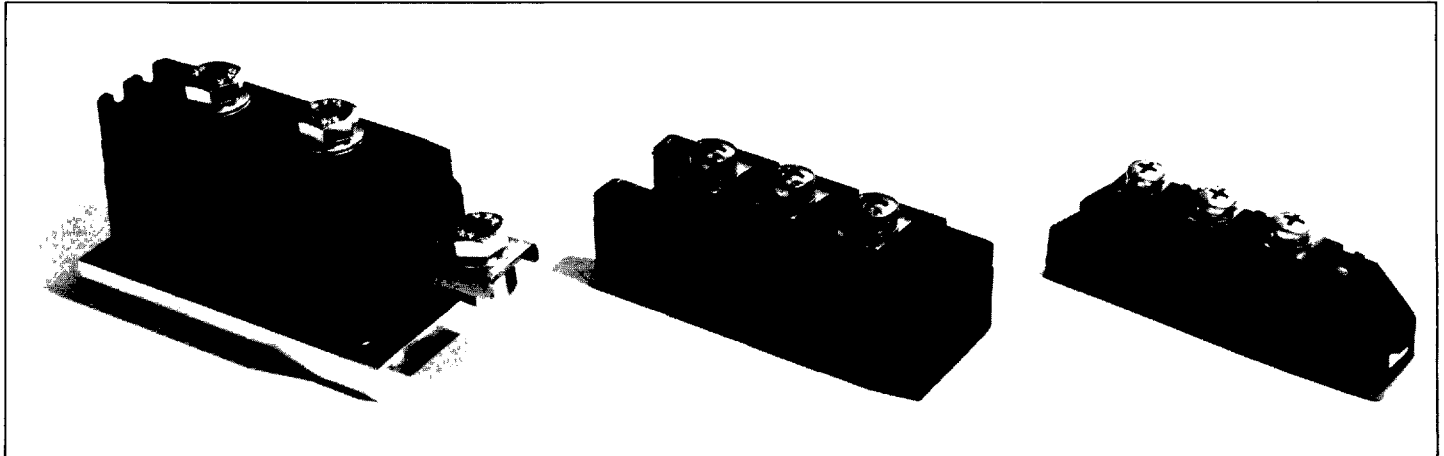


POWER MODULES



NATIONAL TYPE NO.		W4DA25	W4DA40	W4DA55	W4DA90	W4DC25	W4DC40	W4DC55	W4DC90
VOLTAGE RANGE		200-1600	200-1600	200-1600	200-1600	400-1600	400-1600	400-1600	400-1600
$I_{T(AV)}$ Amps @ 180° (Each Element) conduction @ T_c		25 85	45 85	55 85	90 85	25 85	45 85	55 85	90 85
I_{TSM} peak one cycle surge current (A)		400	1000	1200	1600	400	1000	1200	1600
I^2t For fusing at 8.3 msec (A ² sec)		640	4150	6000	10000	640	4150	6000	10000
V_{TM} peak on-state volts @ peak amps., $T_J = 25^\circ\text{C}$		3.0 200	2.0 200	1.8 200	1.7 500	3.0	2.0	1.8	1.7
dv/dt Min rate-of-voltage rise (V/ μ sec)		500	500	500	500	1000	1000	1000	1000
I_{GT} Max. gate trigger voltage (V) @ 25°C		150	150	150	150	80	150	150	150
V_{GT} Max. gate trigger voltage (V) @ 25°C		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
$R_{\theta JC}$ Max. thermal resistance junction-to-case ($^\circ\text{C}/\text{W}$)		.50/.10	.25/.10	.20/.10	.20/.10	.50	.25	.20	.20
T_J Max. junction operating temperature ($^\circ\text{C}$)		125	125	125	125	125	125	125	125
	200 B	W4DA25B	W4DA40B	W4DA55B	W4DA90B	W4DC25B	W4DC40B	W4DC55B	W4DC90B
	400 D	W4DA25D	W4DA40D	W4DA55D	W4DA90D	W4DC25D	W4DC40D	W4DC55D	W4DC90D
	600 M	W4DA25M	W4DA40M	W4DA55M	W4DA90M	W4DC25M	W4DC40M	W4DC55M	W4DC90M
	800 N	W4DA25N	W4DA40N	W4DA55M	W4DA90M	W4DC25N	W4DC40N	W4DC55N	W4DC90N
	1000 P	W4DA25P	W4DA40P	W4DA55P	W4DA90P	W4DC25P	W4DC40P	W4DC55P	W4DC90P
	1200 PB	W4DA25PB	W4DA40PB	W4DA55PB	W4DA90PB	W4DA25PB	W4DC40PB	W4DC55PB	W4DC90PB
	1400 PD	W4DA25PD	W4DA40PD	W4DA55PD	W4DA90PD	W4DC25PD	W4DC40PD	W4DC55PD	W4DC90PD
	1600 PM	W4DA25PM	W4DA40PM	W4DA55PM	W4DA90PM	W4DC36PM	W4DC40PM	W4DC55PM	W4DC90PM
Package Outline Number		TO-240AA-1	TO-240AA-1	TO-240AA-1	TO-240AA-1	TO-240AA-2	TO-240AA-2	TO-240AA-2	TO-240AA-2

Circuit

