

■ Power Transistor Modules

600 volts class high hFE power transistor modules

Device type	VCBO Volts	V _{CEO} (sus) Volts	I _C Cont. Amps.	P _C Watts	h _{FE} (T _J =125°C)			Switching time(Max.)			Package	Net mass Grams
					(Min.)	I _C Amps.	V _{CE} Volts	ton μsec.	tstg μsec.	tf μsec.		
2DI30M-050	600	450	30	250	750	30	2.5	3.0	8.0	3.0	M208	175
2DI50M-050	600	450	50	310	750	50	2.5	3.0	8.0	3.0	M208	175
2DI75M-050	600	450	75	350	750	75	2.5	3.0	8.0	3.0	M208	175
2DI100M-050	600	450	100	620	1000	100	2.5	3.0	8.0	3.0	M205	340
2DI150M-050	600	450	150	690	1500	150	2.5	3.0	8.0	3.0	M205	340
2DI200M-050	600	450	200	800	2000	200	2.5	3.0	8.0	2.0	M210	470
1DI300M-050	600	450	300	1380	3000	300	2.5	5.5	8.0	2.0	M109	470

600 volts class 6 in one-package high hFE power transistor modules

Device type	VCBO Volts	V _{CEO} (sus) Volts	I _C Cont. Amps.	P _C Watts	h _{FE} (T _J =125°C)			Switching time(Max.)			Package	Net mass Grams
					(Min.)	I _C Amps.	V _{CE} Volts	ton μsec.	tstg μsec.	tf μsec.		
6DI30M-050	600	450	30	200	750	30	2.5	3.0	8.0	3.0	M607	235
6DI50M-050	600	450	50	310	750	50	2.5	3.0	8.0	3.0	M609	630
6DI75M-050	600	450	75	350	750	75	2.5	3.0	8.0	3.0	M609	630
6DI100M-050	600	450	100	400	1000	100	2.5	4.0	8.0	3.0	M610	750

1200 volts class high hFE power transistor modules

Device type	VCBO Volts	V _{CEO} (sus) Volts	I _C Cont. Amps.	P _C Watts	h _{FE} (T _J =125°C)			Switching time(Max.)			Package	Net mass Grams
					(Min.)	I _C Amps.	V _{CE} Volts	ton μsec.	tstg μsec.	tf μsec.		
2DI50M-120	1200	1200	50	310	500	50	4	3.5	15.0	3.0	M204	175
2DI75M-120	1200	1200	75	500	750	75	4	3.5	15.0	3.0	M209	270
2DI100M-120	1200	1200	100	800	1000	100	4	7.0	15.0	3.0	M210	430
2DI150M-120	1200	1200	150	1000	1500	150	4	7.0	15.0	3.0	M210	430
1DI200M-120	1200	1200	200	1400	1000	200	4	7.0	15.0	3.0	M109	470
1DI300M-120	1200	1200	300	2000	1500	300	4	7.0	15.0	3.0	M109	470



Power Transistor Modules

Z series high-speed switching 1200 volts class power transistor modules

Device type	V _{CB0} Volts	V _{CEO} (sus) Volts	I _C Cont. Amps.	P _C Watts	h _{FE} (T _J =125°C) (Min.)			Switching time(Max.) ton tstg tf μsec. μsec. μsec.			Package	Net mass Grams
					(Min.)	I _C Amps.	V _{CE} Volts					
2DI30Z-120	1200	1200	30	300	100	30	5.0	3.0	15.0	2.0	M204	175
2DI50Z-120	1200	1200	50	400	100	50	5.0	3.0	15.0	2.0	M204	175
2DI75Z-120	1200	1200	75	500	100	75	5.0	3.0	15.0	2.0	M209	270
2DI100Z-120	1200	1200	100	800	100	100	5.0	3.0	15.0	2.0	M210	470
2DI150Z-120	1200	1200	150	1000	100	150	5.0	3.0	15.0	2.0	M210	470
1DI200Z-120	1200	1200	200	1400	100	200	5.0	3.0	15.0	2.0	M106	460
1DI300Z-120	1200	1200	300	2000	100	300	5.0	3.0	15.0	2.0	M106	460

Single in-line package / 6 in one-package power transistor modules

Device type	V _{CB0} Volts	V _{CEO} (sus) Volts	I _C Cont. Amps.	P _C Watts	h _{FE} (T _J =25°C) (Min.)			Switching time(Max.) ton tstg tf μsec. μsec. μsec.			Package	Net mass Grams
					(Min.)	I _C Amps.	V _{CE} Volts					
6DI15S-050	600	450	15	60	100	15	5.0	1.0	12.0	2.0	M614	40

3-terminal type 600 volts class power transistor modules

Device type	V _{CB0} Volts	V _{CEO} (sus) Volts	I _C Cont. Amps.	P _C Watts	h _{FE} (T _J =125°C) (Min.)			Switching time(Max.) ton tstg tf μsec. μsec. μsec.			Package	Net mass Grams
					(Min.)	I _C Amps.	V _{CE} Volts					
2DI30D-050A	600	450	30	250	100	30	5.0	3.0	12.0	4.0	M208	175
2DI50D-050A	600	450	50	310	100	50	5.0	3.0	12.0	4.0	M208	175
2DI75D-050A	600	450	75	350	100	75	5.0	3.0	12.0	4.0	M208	175
2DI100D-050	600	450	100	620	100	100	5.0	3.0	12.0	4.0	M205	340
2DI150D-050	600	450	150	690	100	150	5.0	3.0	12.0	4.0	M205	340
2DI200A-050	600	450	200	900	80	200	5.0	2.0	12.0	3.0	M207	550
2DI300A-050	600	450	300	1200	70	300	5.0	2.0	12.0	2.5	M207	550

6 in one-package power transistor modules

Device type	V _{CB0} Volts	V _{CEO} (sus) Volts	I _C Cont. Amps.	P _C Watts	h _{FE} (T _J =125°C) (Min.)			Switching time(Max.) ton tstg tf μsec. μsec. μsec.			Package	Net mass Grams
					(Min.)	I _C Amps.	V _{CE} Volts					
6DI15A-050	600	450	15	80	100	15	5.0	1.0	12.0	2.0	M604	150
6DI20C-050	600	450	20	120	100	20	5.0	1.0	12.0	2.0	M604	150
6DI30A-050	600	450	30	150	100	30	5.0	1.5	12.0	3.0	M603	450
6DI50C-050	600	450	50	230	100	50	5.0	1.5	12.0	3.0	M603	450
6DI75A-050	600	450	75	350	100	75	5.0	1.5	12.0	3.0	M603	450
6DI100A-050	600	450	100	400	80	100	5.0	3.0	15.0	4.0	M603	450

*V_{CEX}(sus)