

BIPOLAR TRANSISTORS

Ratings and Specifications

COLLIER SEMICONDUCTOR INC 48E D ■ 2238792 0001613 088 ■ COL

T-33-35

34 1200 volts class power transistor modules

- Power transistors and free wheels are built into one package.
- All terminals are insulated from mounting plate.
- Best suited for motor control applications with 440 to 480 V AC inputs and power supplies.
- Terminal layout in which drive wiring and power wiring do not come across.

Device type	V _{CB0}	V _{CEO}	V _{CEX} (sus)	I _c cont.	P _c	h _{FE} min.	I _c	V _{CE}	Switching time (Max.)			Package	Net weight Grams	Equivalent circuit Page 41
	Volts	Volts	Volts	Amps.	Watts		Amps.	Volts	t _{on} μsec.	t _{stg} μsec.	t _r μsec.			
2DI30A-120	1200	1200	1200	30	300	70	30	5	3	15	3	M204	175	Fig. E1
2DI50A-120	1200	1200	1200	50	400	70	50	5	3	15	3	M206	265	Fig. E1
2DI75A-120	1200	1200	1200	75	500	70	75	5	3	15	3	M206	265	Fig. E1
2DI100A-120	1200	1200	1200	100	800	70	100	5	3	15	3	M207	550	Fig. E2
2DI150A-120	1200	1200	1200	150	1000	70	150	5	3	15	3	M207	550	Fig. E2
1DI200A-120	1200	1200	1200	200	1400	70	200	5	2.5	15	3	M105	560	Fig. D1
1DI300A-120	1200	1200	1200	300	2000	70	300	5	3	15	3	M105	560	Fig. D1
1DI400A-120	1200	1200	1200	400	3120	100	400	5	3	15	3	M107	830	Fig. D1

35 1400 volts class power transistor modules

- Power transistors and free wheels are built into one package.
- Terminal layout in which drive wiring and power wiring do not come across.

Device type	V _{CB0}	V _{CEO}	V _{CEX} (sus)	I _c cont.	P _c	h _{FE} min.	I _c	V _{CE}	Switching time (Max.)			Package	Net weight Grams	Equivalent circuit Page 41
	Volts	Volts	Volts	Amps.	Watts		Amps.	Volts	t _{on} μsec.	t _{stg} μsec.	t _r μsec.			
2DI30A-140	1400	1400	1200	30	300	70	30	5	3	15	3	M204	175	Fig. E1
2DI50A-140	1400	1400	1200	50	400	70	50	5	3	15	3	M206	265	Fig. E1
2DI75A-140	1400	1400	1200	75	500	70	75	5	3	15	3	M206	265	Fig. E1
2DI100A-140	1400	1400	1200	100	800	70	100	5	3	15	3	M207	550	Fig. E2
2DI150A-140	1400	1400	1200	150	1000	70	150	5	3	15	3	M207	550	Fig. E2
1DI200A-140	1400	1400	1200	200	1400	70	200	5	3	15	3	M105	560	Fig. D1
1DI300A-140	1400	1400	1200	300	2000	70	300	5	3	15	3	M105	560	Fig. D1

36 4-pack power transistor modules

- 4 power transistors and 4 free wheels are built into one package.
- All terminals are insulated from mounting plate.
- Ideally suited for 15 to 20 Ampere H-bridge circuits.

Device type	V _{CB0}	V _{CEO}	V _{CE0} (sus)	I _c cont.	P _c	h _{FE} min.	I _c	V _{CE}	Switching time (Max.)			Package	Net weight Grams	Equivalent circuit Page 44
	Volts	Volts	Volts	Amps.	Watts		Amps.	Volts	t _{on} μsec.	t _{stg} μsec.	t _r μsec.			
EVF31H-035	500	500	350	20	80	50	10	5	0.8	2.5	1.0	M401	180	Fig. L1
EVF31H-050	600	600	450	15	100	100	15	5	1.5	12.0	2.5	M401	180	Fig. L1