

T-33-15

28 1200 volts class power transistor modules for DC chopper

- Best suited for motor control applications using a chopper converter
- The type depends on free wheel diode and fast recovery diode wiring.

Device type	V _{CB0}	V _{CE0}	V _{CEX}	I _c	P _c	h _{FE}	I _c	V _{CE}	Switching time (Max.)			Package	Net weight Grams	Equivalent circuit Page 41
	Volts	Volts	(sus) Volts	cont. Amps.	Watts	min.	Amps.	Volts	t _{on} μsec.	t _{stg} μsec.	t _r μsec.			
1DI50E-120	1200	1200	1200	50	400	70	50	5	3.0	15	3.0	M206	265	Fig. D4
1DI50F-120	1200	1200	1200	50	400	70	50	5	3.0	15	3.0	M206	265	Fig. D3
1DI50H-120	1200	1200	1200	50	400	70	50	5	3.0	15	3.0	M206	265	Fig. D7
1DI75E-120	1200	1200	1200	75	500	70	75	5	3.0	15	3.0	M206	265	Fig. D4
1DI75F-120	1200	1200	1200	75	500	70	75	5	3.0	15	3.0	M206	265	Fig. D3
1DI75H-120	1200	1200	1200	75	500	70	75	5	3.0	15	3.0	M206	265	Fig. D7
1DI100E-120	1200	1200	1200	100	800	70	100	5	3.0	15	3.0	M207	550	Fig. D5
1DI100F-120	1200	1200	1200	100	800	70	100	5	3.0	15	3.0	M207	550	Fig. D6
1DI100H-120	1200	1200	1200	100	800	70	100	5	3.0	15	3.0	M207	550	Fig. D7
1DI150E-120	1200	1200	1200	150	1000	70	150	5	3.0	15	3.0	M207	550	Fig. D5
1DI150F-120	1200	1200	1200	150	1000	70	150	5	3.0	15	3.0	M207	550	Fig. D6
1DI150H-120	1200	1200	1200	150	1000	70	150	5	3.0	15	3.0	M207	550	Fig. D7

29 600 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 200V AC input and power supplies.

Device type	V _{CB0}	V _{CE0}	V _{CE0}	I _c	P _c	h _{FE}	I _c	V _{CE}	Switching time (Max.)			Package	Net weight Grams	Equivalent circuit Page 40
	Volts	Volts	(sus) Volts	cont. Amps.	Watts	min.	Amps.	Volts	t _{on} μsec.	t _{stg} μsec.	t _r μsec.			
ETF81-050	600	600	450	15	120	100	15	5	1	12	2	M101	100	Fig. B9
EVG31-050A	600	600	450	30	200	100	30	5	3	12	4	M201	90	Fig. C1
ETG81-050A	600	600	450	30	200	100	30	5	3	12	4	M102	100	Fig. B9
ETK81-050	600	600	450	50	300	100	50	5	3	12	4	M102	100	Fig. B9
EVK31-050	600	600	450	50	300	100	50	5	3	12	4	M201	90	Fig. C1
ETK85-050	600	600	450	75	350	70	75	5	2	10	2.5	M102	100	Fig. B9
EVK71-050	600	600	450	75	350	70	75	5	2	10	2.5	M202	235	Fig. C4
EVK75-050	600	600	450	75	350	70	75	5	2	10	2.5	M201	90	Fig. C1
2DI75S-050A	600	600	450	75	350	100	75	5	1.2	8.0	1.5	M202	235	Fig. C4
EVL31-050	600	600	450	100	500	100	100	5	2	10	3	M203	450	Fig. C4
EVM31-050A	600	600	450	150	600	70	150	5	2	10	2.5	M203	450	Fig. C4
ETN85-050	600	600	450	300	1200	70	300	5	2	12	2.5	M104	450	Fig. B10
ETL81-050	600	600	500	100	600	100	100	5	3	10	3	M103	200	Fig. B10