

● Transistor modules (Single arm chopper)

Type No.	Max. ratings						Electrical characteristics					Connection form	Connections
	Transistor section					Clamp diode section	Transistor section				Clamp diode section		
	V_{CEX} (sus) (V)	I_C (A)	I_B (A)	P_C (W)	T_j (°C)	I_{OC} (A)	h_{FE}	V_{CE} (sat) (V)	t_{on} (μ s)	t_{off} (μ s)	V_{FM} (V)		
QM30E2Y-H	600	30	1.8	250	150	30	75	2.0	1.5	15	1.5	A	A. B.
QM50E2Y-H	600	50	3	310	150	50	75	2.0	1.5	15	1.5	A	
QM75E2Y-H	600	75	4.5	350	150	75	75	2.0	2.5	15	1.5	A	C.
QM100E2Y-HK	600	100	6	620	150	100	75	2.0	2.0	15	1.5	A	
QM150E2Y-HK	600	150	9	690	150	150	75	2.0	2.5	15	1.5	A	D.
QM30E2Y-2H	1000	30	2	310	150	30	75	2.5	2.5	18	1.5	B	
QM50E2Y-2H	1000	50	3	400	150	50	75	2.5	2.5	18	1.5	B	E.
QM75E2Y-2H	1000	75	4	500	150	75	75	2.5	2.5	18	1.5	B	
QM100E2Y-2HK	1000	100	5	800	150	100	75	2.5	3.0	18	1.5	C	F.
QM150E2Y-2HK	1000	150	8	1000	150	150	75	2.5	3.0	18	1.5	C	
QM30E3Y-H	600	30	1.8	250	150	30	75	2.0	1.5	15	1.5	D	A.
QM50E3Y-H	600	50	3	310	150	50	75	2.0	1.5	15	1.5	D	
QM75E3Y-H	600	75	4.5	350	150	75	75	2.0	2.5	15	1.5	D	B.
QM100E3Y-HK	600	100	6	620	150	100	75	2.0	2.0	15	1.5	D	
QM150E3Y-HK	600	150	9	690	150	150	75	2.0	2.5	15	1.5	D	C.
QM30E3Y-2H	1000	30	2	310	150	30	75	2.5	2.5	18	1.5	E	
QM50E3Y-2H	1000	50	3	400	150	50	75	2.5	2.5	18	1.5	E	D.
QM75E3Y-2H	1000	75	4	500	150	75	75	2.5	2.5	18	1.5	E	
QM100E3Y-2HK	1000	100	5	800	150	100	75	2.5	3.0	18	1.5	F	E.
QM150E3Y-2HK	1000	150	8	1000	150	150	75	2.5	3.0	18	1.5	F	

● Transistor modules (Bridge type)

Type No.	Max. ratings						Electrical characteristics					Connection form	Connections
	Transistor section					Diode section	Transistor section				Diode section		
	V_{CEX} (sus) (V)	I_C (A)	I_B (A)	P_C (W)	T_j (°C)	$-I_C$ (A)	h_{FE}	V_{CE} (sat) (V)	t_{on} (μ s)	t_{off} (μ s)	$-V_{CEO}$ (V)		
QM10TE-H	600	10	1	74	150	10	75	2.0	1.5	12.5	1.5	A	A.
QM10TE-HB	600	10	1	74	150	10	250	2.0	1.5	12	1.5	A	
QM10KD-HB	600	10	1	74	150	10	250	2.0	1.5	12	1.5	B	B.
QM15TD-H	600	15	1	100	150	15	75	2.0	1.5	13	1.5	A	
QM15TD-HB	600	15	1	76	150	15	250	2.0	1.5	12	1.5	A	C.
QM15TG-9B	450	15	1	83	150	15	250	2.0	1.5	12	1.5	A	
QM15KD-HB	600	15	1	76	150	15	250	2.0	1.5	12	1.5	B	A.
QM20TD-H	600	20	1	76	150	20	75	2.0	1.5	14	1.5	A	
QM20TD-HB	600	20	1	83	150	20	250	2.0	1.5	14	1.5	A	B.
QM20KD-HB	600	20	1	83	150	20	250	2.0	1.5	14	1.5	B	
QM20TG-9B	450	20	1	100	150	20	250	2.0	1.5	12	1.5	A	C.
QM30TF-HB	600	30	1.8	250	150	30	750	2.5	2.0	11	1.8	C	
QM30TX-H	600	30	1.8	250	150	30	75	2.0	1.5	15	1.85	A	B.
QM30TX-HB	600	30	1.8	250	150	30	750	2.5	2.0	11	1.8	C	
QM50TF-HB	600	50	3	310	150	50	750	2.5	2.0	11	1.8	C	C.
QM50TX-H	600	50	3	310	150	50	75	2.0	1.5	15	1.75	A	
QM50TX-HB	600	50	3	310	150	50	750	2.5	2.0	11	1.8	C	A.
QM75TX-H	600	75	4.5	350	150	75	75	2.0	2.5	15	1.85	A	
QM75TX-HB	600	75	4.5	350	150	75	750	2.5	2.0	11	1.8	C	B.
QM75TF-HB	600	75	4.5	350	150	75	750	2.5	2.0	11	1.8	C	
QM100TX1-H	600	100	5	350	150	100	80	2.0	2.0	16	1.7	A	C.
QM100TF-HB	600	100	6	620	150	100	750	2.5	2.5	12	1.8	C	
QM100TX1-HB	600	100	4.5	350	150	100	750	2.5	2.0	11	1.8	C	A.
QM15TB-2H	1000	15	1	150	150	15	75	2.5	2.5	18	1.5	C	
QM15TB-2HB	1000	15	1	150	150	15	250	3.0	2.0	13	1.8	C	B.
QM30TB-2H	1000	30	2	310	150	30	75	2.5	2.5	18	1.8	C	
QM30TB-2HB	1000	30	2	310	150	30	750	4.0	2.5	18	1.8	C	C.
QM50TB-2H	1000	50	3	400	150	50	75	2.5	2.5	18	1.8	C	
QM50TB-2HB	1000	50	3	400	150	50	750	4.0	2.5	18	1.8	C	A.
QM15TB-24	1200	15	1	150	150	15	75	3.0	2.5	18	1.5	C	
QM15TB-24B	1200	15	1	150	150	15	250	3.0	2.0	13	1.5	C	B.
QM30TB-24	1200	30	2	310	150	30	75	3.0	2.5	18	1.8	C	
QM30TB-24B	1200	30	2	310	150	30	750	4.0	2.5	18	1.8	C	C.
QM50TB-24	1200	50	3	400	150	50	75	3.0	2.5	18	1.8	C	
QM50TB-24B	1200	50	3	400	150	50	750	4.0	2.5	18	1.8	C	A.