

Fast thyristors

Type	V_{DRM} V_{RRM} $V_{DSM} = V_{DRM}$ $V_{RSM} = V_{RRM} + 100 V$ V	I_{TRMSM}	I_{TSM} 10 ms, $t_{vj\ max}$ A	$\int i^2 dt$ 10 ms, $t_{vj\ max}$ A ² s	I_{TAVM}/t_C 180°el sin. A/°C	$V_{(TO)}$ V	r_T mΩ	$(di/dt)_{cr}$ DIN IEC 747-6 A/μs	t_q μs	$(dv/dt)_{cr}$ DIN IEC 747-6 V/μs	V_{GT} V	I_{GT} mA	R_{thJC} 180°el sinus °C/W	$t_{vj\ max}$ °C	Outline
■ T 17 F	800 1000 1100 1200*	35	350	612	22/68 17/85	1,2	14	100	F ≤ 25 E ≤ 20 S ≤ 18 D ≤ 15 C ≤ 12	B = 50 C = 500 L = 500 M* = 1000	2,5	150	1,3	125	1, 2
■ T 24 F	800 1000 1100 1200*	40	460	1060	25/82 24/85	1,2	8	100	F ≤ 25 E ≤ 20 S ≤ 18 D ≤ 15 C ≤ 12	B = 50 C = 500 L = 500 M* = 1000	2,5	150	1	125	1, 2
■ T 36 F	800 1000 1100 1200*	65	850	3600	41/78 36/85	1,3	5,5	120	F ≤ 25 E ≤ 20 S ≤ 18 D ≤ 15 C* ≤ 12	B = 50 C = 500 L = 500 M* = 1000	2,5	150	0,62	125	4
■ T 46 F	800 1000 1100 1200*	80	1000	5000	51/78 46/85	1,25	3,8	120	F ≤ 25 E ≤ 20 S ≤ 18 D* ≤ 15 C* ≤ 12	B = 50 C = 500 L = 500 M* = 1000	2,5	150	0,53	125	4
T 72 F	200 400 600 800	200	2050	21000	127/44 72/85	1,25	1,8	200	D ≤ 15 B ≤ 10	B = 50 C = 500 L = 500 M* = 1000	2	150	0,35	125	5
T 80 F	800 1000 1100 1200 1300 1400*	200	2450	30000	127/52 80/85	1,3	2,4	160	F ≤ 25 E ≤ 20 S ≤ 18	B = 50 C = 500 L = 500 M* = 1000	2	150	0,28	125	5
T 102 F	200 400 600 800	220	2750	37800	140/64 102/85	1,2	1,4	200	D ≤ 15 B ≤ 10	B = 50 C = 500 L = 500 M* = 1000	2	150	0,26	125	5
T 120 F	800 1000 1100 1200 1300 1400*	240	2900	42000	152/70 120/85	1,2	1,6	160	F ≤ 25 E ≤ 20 S ≤ 18	B = 50 C = 500 L = 500 M* = 1000	2	150	0,2	125	5
T 128 F	800 1000 1100 1200 1300 1400*	300	2450	30000	191/54 128/85	1,28	2,15	160	F ≤ 25 E ≤ 20 S ≤ 18	B = 50 C = 500 L = 500 M* = 1000	2	150	0,163	125	9
T 178 F	200 400 600	300	1900	18000	190/79 178/85	1,02	1,55	300	E ≤ 20 D ≤ 15 C ≤ 12	B = 50 C = 500 L = 500 M* = 1000	2	200	0,18	140	9
T 188 F	800 1000 1100 1200 1300*	400	2900	42000	254/64 188/85	1,2	1,35	160	F ≤ 25 E ≤ 20 S ≤ 18	B = 50 C = 500 L = 500 M* = 1000	2	150	0,117	125	9
T 290 F	800 1000 1100 1200 1300	550	6400	205000	350/73 290/85	1,2	0,75	200	F ≤ 25 E ≤ 20 S ≤ 18	B = 50 C = 500 L = 500 M* = 1000	2,2	250	0,08	125	7

■ Not for new design * Delivery for large quantities on request