fast switching thyristors ⩾100 Arms

Types	I_O (A)	V_{RRM} = V_{DRM} (V)	I_{TSM}* 10 ms (A)	T_{amb} = 25°C V_{TM} max (V)	I_{TM} (A)	V_{GT} max (V)	I_{GT} max (mA)	di/dt min (A/µs)	dv/dt* @ 60% V_{DRM} min (V/µs)	I_{RM}* @ V_{RRM} I_{DM}* @ V_{DRM} max (mA)	t_q* max (µs)	Case
100 Arms / T_{case} = 80°C T_j = 125°C I^2t = 7 200 A^2s											I_T = 100A	
DK 1001 F (B,Z,Y,A,X,W) DK 1002 F (B,Z,Y,A,X,W) DK 1004 F (B,Z,Y,A,X,W) DK 1006 F (B,Z,Y,A,X,W) DK 1008 F (B,Z,Y,A,X,W) DK 1010 F (B,Z,Y,A,X,W) DK 1012 F (B,Z,Y,A,X) DK 1014 F (B) DK 1016 F (B)	64	100 200 400 600 800 1000 1200 1400 1600	1200	2,75	150	3	150	800	200	15	W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	TO 94 (CB-315) 1/2"-20 UNF → Type number + suffix K M12 → Type number + suffix M
110 Arms / T_{case} = 80°C T_j = 125°C I^2t = 9 800 A^2s											I_T = 100A	
DK 1101 F (B,Z,Y,A,X,W,Q) DK 1102 F (B,Z,Y,A,X,W,Q) DK 1104 F (B,Z,Y,A,X,W,Q) DK 1106 F (B,Z,Y,A,X,W,Q) DK 1108 F (B,Z,Y,A,X,W) DK 1110 F (B,Z,Y,A,X) DK 1112 F (B,Z)	70	100 200 400 600 800 1000 1200	1400	2,35	200	3	150	800	200	15	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	
130 Arms / T_{case} = 80°C T_j = 125°C I^2t = 12 800 A^2s											I_T = 100A	
DK 1301 F (B,Z,Y,A,X,W,Q) DK 1302 F (B,Z,Y,A,X,W,Q) DK 1304 F (B,Z,Y,A,X,W,Q) DK 1306 F (B,Z,Y,A,X,W,Q) DK 1308 F (B,Z,Y,A,X,W) DK 1310 F (B,Z,Y,A,X) DK 1312 F (B,Z)	83	100 200 400 600 800 1000 1200	1600	2,35	300	3	150	800	200	15	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	
190 Arms / T_{case} = 80°C T_j = 125°C I^2t = 7 200 A^2s											I_T = 100A	
TF 219 01 (B,Z,Y,A,X,W) TF 219 02 (B,Z,Y,A,X,W) TF 219 04 (B,Z,Y,A,X,W) TF 219 06 (B,Z,Y,A,X,W) TF 219 08 (B,Z,Y,A,X,W) TF 219 10 (B,Z,Y,A,X,W) TF 219 12 (B,Z,Y,A,X) TF 219 14 (B) TF 219 16 (B) TF 219 18 (B) TF 219 20 (B)	120	100 200 400 600 800 1000 1200 1400 1600 1800 2000	1200	2,75	150	3	150	800	200	15	W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	
230 Arms / T_{case} = 80°C T_j = 125°C I^2t = 9 800 A^2s											I_T = 100A	
TF 223 01 (B,Z,Y,A,X,W,Q) TF 223 02 (B,Z,Y,A,X,W,Q) TF 223 04 (B,Z,Y,A,X,W,Q) TF 223 06 (B,Z,Y,A,X,W,Q) TF 223 08 (B,Z,Y,A,X,W) TF 223 10 (B,Z,Y,A,X) TF 223 12 (B,Z)	147	100 200 400 600 800 1000 1200	1400	2,35	200	3	150	800	200	15	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	MU 86 (CB-263)
250 Arms / T_{case} = 80°C T_j = 125°C I^2t = 12 800 A^2s											I_T = 100A	
TF 225 01 (B,Z,Y,A,X,W,Q) TF 225 02 (B,Z,Y,A,X,W,Q) TF 225 04 (B,Z,Y,A,X,W,Q) TF 225 06 (B,Z,Y,A,X,W,Q) TF 225 08 (B,Z,Y,A,X,W) TF 225 10 (B,Z,Y,A,X) TF 225 12 (B,Z)	160	100 200 400 600 800 1000 1200	1600	2,35	300	3	150	800	200	15	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	

* @ T_j = 125°C

fast switching thyristors ⩾100 Arms

Types	I_O (A)	V_{RRM} = V_{DRM} (V)	I_{TSM}* 10 ms (A)	T_{amb} = 25°C V_{TM} max (V)	I_{TM} (A)	V_{GT} max (V)	I_{GT} max (mA)	di/dt min (A/µs)	dv/dt* @ 60% V_{DRM} min (V/µs)	I_{RM}* @ V_{RRM} I_{DM}* @ V_{DRM} max (mA)	t_q* max (µs)	Case
260 Arms / T_{case} = 80°C T_j = 125°C I^2t = 80 000 A^2s											I_T = 200A	
DK 2401 F (D,B,Z,Y,A,X,W,Q) DK 2402 F (D,B,Z,Y,A,X,W,Q) DK 2404 F (D,B,Z,Y,A,X,W,Q) DK 2406 F (D,B,Z,Y,A,X,W,Q) DK 2408 F (D,B,Z,Y,A,X,W) DK 2410 F (D,B,Z,Y,A,X) DK 2412 F (D,B,Z,Y) DK 2414 F (D,B) DK 2416 F (D) DK 2418 F (D) DK 2420 F (D)	165	100 200 400 600 800 1000 1200 1400 1600 1800 2000	4000	2	450	3	200	800	200	25	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40 D = 60	TO 93 (CB-260) 3/4" - 16 UNF** → Type number + suffix K
280 Arms / T_{case} = 80°C T_j = 125°C I^2t = 125 000 A^2s											I_T = 200A	
DK 2501 F (B,Z,Y,A,X,W,Q) DK 2502 F (B,Z,Y,A,X,W,Q) DK 2504 F (B,Z,Y,A,X,W,Q) DK 2506 F (B,Z,Y,A,X,W,Q) DK 2508 F (B,Z,Y,A,X,W) DK 2510 F (B,Z,Y,A) DK 2512 F (B)	178	100 200 400 600 800 1000 1200	5000	2	600	3	200	800	200	25	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	
290 Arms / T_{case} = 80°C T_j = 125°C I^2t = 125 000 A^2s											I_T = 200A	
DK 2701 F (B,Z,Y,A,X,W,Q) DK 2702 F (B,Z,Y,A,X,W,Q) DK 2704 F (B,Z,Y,A,X,W,Q) DK 2706 F (B,Z,Y,A,X,W,Q) DK 2708 F (B,Z,Y,A,X) DK 2710 F (B,Z)	185	100 200 400 600 800 1000	5000	1,85	600	3	200	800	200	25	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	
400 Arms / T_{case} = 80°C T_j = 125°C I^2t = 80 000 A^2s											I_T = 200A	
TF 440 01 (D,B,Z,Y,A,X,W,Q) TF 440 02 (D,B,Z,Y,A,X,W,Q) TF 440 04 (D,B,Z,Y,A,X,W,Q) TF 440 06 (D,B,Z,Y,A,X,W,Q) TF 440 08 (D,B,Z,Y,A,X,W) TF 440 10 (D,B,Z,Y,A,X) TF 440 12 (D,B,Z,Y) TF 440 14 (D,B) TF 440 16 (D) TF 440 18 (D) TF 440 20 (D)	255	100 200 400 600 800 1000 1200 1400 1600 1800 2000	4000	2	450	3	200	800	200	25	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40 D = 60	
440 Arms / T_{case} = 80°C T_j = 125°C I^2t = 125 000 A^2s											I_T = 200A	
TF 444 01 (B,Z,Y,A,X,W,Q) TF 444 02 (B,Z,Y,A,X,W,Q) TF 444 04 (B,Z,Y,A,X,W,Q) TF 444 06 (B,Z,Y,A,X,W,Q) TF 444 08 (B,Z,Y,A,X,W) TF 444 10 (B,Z,Y,A) TF 444 12 (B)	280	100 200 400 600 800 1000 1200	5000	2	600	3	200	800	200	25	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	MU 86 (CB-263)
470 Arms / T_{case} = 80°C T_j = 125°C I^2t = 125 000 A^2s											I_T = 200A	
TF 447 01 (B,Z,Y,A,X,W,Q) TF 447 02 (B,Z,Y,A,X,W,Q) TF 447 04 (B,Z,Y,A,X,W,Q) TF 447 06 (B,Z,Y,A,X,W,Q) TF 447 08 (B,Z,Y,A,X) TF 447 10 (B,Z)	300	100 200 400 600 800 1000	5000	1,85	600	3	200	800	200	25	Q = 7 W = 10 X = 15 A = 20 Y = 25 Z = 30 B = 40	

* @T_j = 125°C

** For other threads, please consult us.