



# fast switching thyristors > 100Arms

## thyristors rapides > 100Aeff



Types	I <sub>O</sub> (A)	V <sub>RRM</sub> = V <sub>DRM</sub> (V)	I <sub>TSM</sub> * 10 ms (A)	T <sub>amb</sub> = 25°C				dv/dt* @ 60% V <sub>DRM</sub> min (V/μs)	I <sub>RM</sub> * @ V <sub>RRM</sub> I <sub>DM</sub> * @ V <sub>DRM</sub> max (mA)	t <sub>q</sub> * max (μs)	Case	
				V <sub>TM</sub> / I <sub>TM</sub> max (V) (A)	V <sub>GT</sub> max (V)	I <sub>GT</sub> max (mA)	di/dt min (A/μs)					
<b>100 Arms / T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 7 200 A<sup>2</sup> s</b>										I <sub>T</sub> = 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	 <p>TO 94</p>
<b>110 Arms / T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 9 800 A<sup>2</sup> s</b>										I <sub>T</sub> = 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	
<b>130 Arms / T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 12 800 A<sup>2</sup> s</b>										I <sub>T</sub> = 100A	1/2" 20 UNF → Type number + suffix K	
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	M12 → Type number + suffix M
<b>190 Arms / T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 7 200 A<sup>2</sup> s</b>										I <sub>T</sub> = 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	 <p>MU 86</p>
<b>230 Arms / T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 9 800 A<sup>2</sup> s</b>										I <sub>T</sub> = 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	
<b>250 Arms / T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 12 800 A<sup>2</sup> s</b>										I <sub>T</sub> = 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	

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N

\*@ T<sub>j</sub> = 125°C

N : New product / Nouveau produit