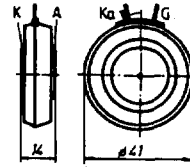
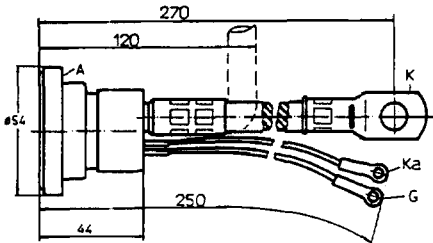




MAINS FREQUENCY THYRISTORS



CASES : E-50

T-20

TYPE	I _{TAVM} (A)	V _{RRM} =V _{DRM} (V)	I _{TSM} @ T _{JM} (A)	I _{RM} =I _{DM} @ T _{JM} (mA)	JUNCTION TEMPERATURE = 25°C					dv/dt min. (V/us)	di/dt max. (A/us)	CASE STYLE
					V _{GT} max. (V)	I _{GT} max. (mA)	I _H max. (mA)	V _{TM} @ I _{TM} (V)	I _{TM} (A)			
320 A_{rms} T_{JM}=125°C i²t=26.45kA²s t_q=180us R_{thJ-C}≤0.11°C/W F_{clamp}=3-4.5kN												
T198N 400	200	400	2.3	25	2	250	300	1.50	500	400*	150	T-20
T198N 600		600										
T198N 800		800										
T198N 1000		1000										
T198N 1100		1100										
T198N 1200		1200										
T198N 1400		1400										
T198N 1600		1600										
T198N 1800		1800										
400 A_{rms} T_{JM}=125°C i²t=120kA²s t_q=250us R_{thJ-C}≤0.12°C/W F_{clamp}=5.5kN												
T200N 200	200	200	4.9	80	2	200	300	2.07	1000	400*	150	E-50
T200N 400		400										
T200N 600		600										
T200N 800		800										
T200N 1000		1000										
T200N 1100		1100										
T200N 1200		1200										
T200N 1400		1400										
T200N 1600		1600										
T200N 1800		1800										
450 A_{rms} T_{JM}=125°C i²t=101kA²s t_q=250us R_{thJ-C}≤0.12°C/W F_{clamp}=5.5kN												
T200N 2000	220	2000	4.5	80	2	200	300	1.82#	600	400*	150	E-50
T200N 2200		2200										
T200N 2400		2400										
T200N 2600		2600										
# I _J =I _{JM}												
450 A_{rms} T_{JM}=125°C i²t=130kA²s t_q=250us R_{thJ-C}≤0.12°C/W F_{clamp}=5.5kN												
T250N 200	250 #	200	5.1	80	2	200	300	1.88	1000	400*	150	E-50
T250N 400		400										
T250N 600		600										
T250N 800		800										
T250N 1000		1000										
T250N 1100		1100										
T250N 1200		1200										
T250N 1400		1400										
T250N 1600		1600										
T250N 1800		1800										
# T _C =78°C												

Note: (*) Different dv/dt groups : B=50 V/us (T200N, T250N only) ; C=400 V/us ; F=1000 V/us
 Test conditions : I_{RM} @ V_{RRM} ; I_{DM} @ V_{DRM} ; T_J = T_{JM} ; dv/dt @ 67% V_{DRM} & T_{JM}.