MEDIUM POWER THYRISTORS & TRIACS < 100 A

THYRISTORS

PLASTIC SENSITIVE GATE THYRISTORS

Type	I_O	V_{RRM} = V_{DRM}	I_{TSM}	I_{RM} @ V_{RRM}* I_{DM} @ V_{DRM} T_j max	T_{amb} = 25°C					dv/dt* @ 67% V_{DRM} T_j max	di/dt	Package
					V_{GT}	I_{GT}	I_H*	V_{TM} / I_{TM}				
See NOTE	(A)	(V)	(A)	max (mA)	max (V)	max (mA)	max (mA)	max (V)	(A)	typ (V/µs)	max (A/µs)	
4 Arms / $T_{connex.}$ = 25°C T_j = 110°C												
TLS 106-05→6 TLS 107-05→6	2.5	50→600	35	0.3	1.5	0.2 (1) 0.5 (2)	5	1.9	4	10	100	TL
4 Arms / T_{case} = 75°C T_j = 110°C												
TYS 406-05→8 TYS 407-05→8	2.5	50→800	50	0.5	1.5	0.2 (1) 0.5 (2)	6	1.6	8	5	50	TO 220 AB
6 Arms / T_{case} = 75°C T_j = 110°C												
TYS 606-05→8 TYS 607-05→8	3.8	50→800	50	0.5	1.5	0.2 (1) 0.5 (2)	6	1.89	12	5	50	TO 220 AB

* R_{GK} = 1 kΩ. (1) TLS 106, TYS 406 - 606 series. (2) TLS 107, TYS 407 - 607 series.

NOTE : V_{DRM} : 50 - 100 - 200 - 400 - 600 — 800 only for TYS series.

ORDERING INFORMATION - EXAMPLE : TYS 606-4 for 400 V.

STANDARD THYRISTORS PLASTIC CASE

Type	I_O	V_{RRM} = V_{DRM}	I_{TSM}	I_{RM} @ V_{RRM} I_{DM} @ V_{DRM} T_j max	T_{amb} = 25°C					dv/dt @ 67% V_{DRM} T_j max	di/dt	Package
					V_{GT}	I_{GT}	I_H	V_{TM} / I_{TM}				
	(A)	(V)	(A)	max (mA)	max (V)	max (mA)	typ (mA)	max (V)	(A)	min (V/µs)	max (A/µs)	
3 Arms / $T_{connex.}$ = 50°C T_j = 110°C I^2t = 24.5 A^2s												
TL 1006 TL 2006 TL 4006 TL 6006 TL 8006	2	100 200 400 600 800	70	0.75	1.5	15	20	1.9	6	200	100	TL