

LIGHT TRIGGERED THYRISTORS

PHASE CONTROL

KEY FEATURES

- ◆ Light triggering by using optical fiber
- ◆ Internal protection functions
- ◆ Lack of galvanic connection
- ◆ Precision control of Q_{RR} and V_{TM}



Type	V_{BO}	V_{DRM}	V_{RRM}	$I_{T(AV)}$	I_{TSM}	$V_{T(TO)}$	r_T	$(di_T/dt)_{cr}$	$(dv_p/dt)_{cr}$	P_{LM}	t_q	$R_{th(j-c)}$	F_m
	V	V	V	A	kA	T_{Jmax}	T_{Jmax}	T_{Jmax}	T_{Jmax}	mW	μs	$^{\circ}C/W$	kN
TL353-630	6200-6600	6000-6400	6600-7000	790	12	1.20	1.00	300	2000	40	630	0.0200	24
TL273-1000	6200-6600	6000-6400	6600-7000	1360	24	1.20	0.55	300	2000	40	630	0.0120	45
TL183-2000	6200-6600	6000-6400	6600-7000	2115	40	1.20	0.35	300	2000	40	630	0.0078	70
TL193-2000	7000-7800	6800-7600	7200-8000	2295	50	1.27	0.35	300	2000	40	800	0.0067	80
TL193-2500	6200-6600	6000-6400	6600-7000	2520	55	1.22	0.28	300	2000	40	630	0.0067	80

TYPICAL APPLICATIONS

- ◆ Soft starters
- ◆ Medium voltage drives
- ◆ Static var compensation (SVC)
- ◆ High voltage direct current (HVDC)



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