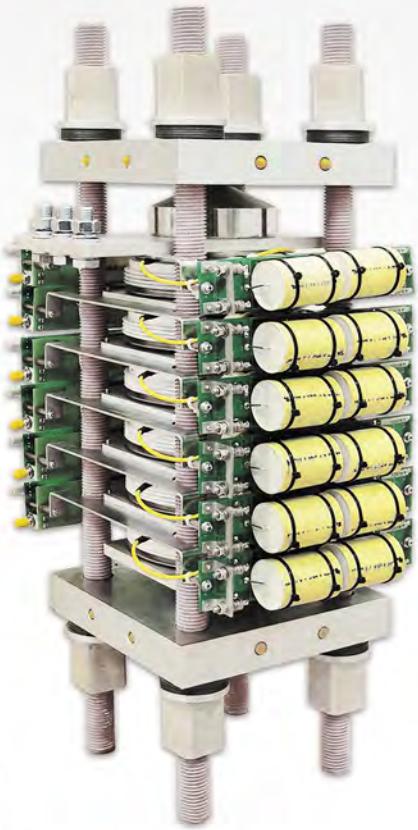
LIGHT TRIGGERED THYRISTORS

PULSED POWER

KEY FEATURES

- ***Light triggering***
- ***Internal protection functions***
- ***Distributed amplifying gate design***
- ***High pulse current capability I_{TRM} and di_T/dt***
- ***Low on-state voltage drop and switching losses***



Type	V_{BO}	V_D, V_R	I_{TRM}		$V_{T(TO)}$	r_T	$(di_T/dt)_{cr}$		$(dv_D/dt)_{cr}$	P_{LM}	t_q	$R_{th(j-c)}$	F
			t_p=700µs	t_p=10ms	$T_{j\,max}$	$T_{j\,max}$	f=1Hz	f=50Hz	$T_{j\,max}$				
	V	V	kA	kA	V	mΩ	A/µs	A/µs	V/µs	mW	µs	°C/W	kN
TLI183-2000	6000-6500	4000-4500	65	20	1.20	0.39	5000	1000	1000-2000	40	800	0.0078	70
TLI193-2000	7000-7200	5000	80	25	1.22	0.38	5000	1000	1000	40	800	0.0067	80
TLI193-2500	4400-5000	3000	100	30	1.15	0.16	5000	1000	1600-2000	40	630	0.0065	80

TYPICAL APPLICATIONS

- ***Pulse power switches for capacitive energy storage***
- ***TOCAMAC, lasers, accelerators***
- ***Replacement of thyratrons and ignitrons***

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