

Phase control thyristor modules

Type	V_{DRM} V_{RRM} $V_{D\leq M} = V_{CRM}$ $V_{RSM} = V_{RRM} + 100 \text{ V}$ V	I_{TRMSM}	I_{TSM} 10 ms, $t_{vj \text{ max}}$	$\int i^2 dt$ 10 ms, $t_{vj \text{ max}}$ A ² s	I_{TAVM}/t_C 180 °el sin. A/ °C	$V_{(TO)}$ $t_{vj} =$ $t_{vj \text{ max}}$ V	r_T $t_{vj} =$ $t_{vj \text{ max}}$ mΩ	$(di/dt)_{cr}$ DIN IEC 747-6 A/μs	t_q typ. μs	$(dv/dt)_{cr}$ DIN IEC 747-6 V/μs	R_{thJC} 180 °el sin. °C/W	R_{thCK} °C/W	$t_{vj \text{ max}}$ °C	Outline
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Modules with soldered contacts

TT 18 N TD 18 N DT 18 N	600 800 1000 1200 1400 1600	40	350	610	25/60 18/85	1,1	16	100	80	F = 1000	1,2	0,2	125	46 47
TT 25 N TD 25 N DT 25 N	600 800 1000 1200 1400 1600	50	510	1300	32/69 25/85	1,05	11	100	80	F = 1000	0,92	0,2	125	46 47
TT 31 N TD 31 N DT 31 N	600 800 1000 1200 1400 1600	75	680	2300	48/50 31/85	0,95	6,4	100	80	F = 1000	0,92	0,2	125	46 47
TT 36 N TD 36 N DT 36 N	600 800 1000 1200 1400 1600	80	850	3600	51/60 36/85	1	6,2	120	80	F = 1000	0,72	0,16	125	46 47
TT 46 N TD 46 N DT 46 N	600 800 1000 1200 1400 1600	100	1000	5000	64/61 46/85	0,95	4,5	120	80	F = 1000	0,60	0,16	125	46 47
TT 56 N TD 56 N DT 56 N	600 800 1000 1200 1400 1600	100	1350	9100	64/77 56/85	0,9	3,5	120	80	F = 1000	0,52	0,16	125	46 47
TT 66 N TD 66 N DT 66 N	600 800 1000 1200 1400 1600	120	1400	9800	77/74 66/85	0,85	3,2	120	80	F = 1000	0,50	0,16	130	46 47
TT 93 N TD 93 N DT 93 N	600 800 1000 1200 1400 1600	150	1850	17100	96/83 93/85	0,85	2,2	120	120	F = 1000	0,36	0,1	130	47 48
TT 105 N TD 105 N DT 105 N	600 800 1000 1200 1400 1600	160	2200	24000	105/85	0,85	1,8	120	120	F = 1000	0,33	0,1	130	47 48

Most types of the power module have been **UL**-recognized.