

Type	V_{DRM} V_{RRM} $V_{DSM} = V_{DRM}$ $V_{RSM} = V_{RRM} + 100\text{ V}$ 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 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 F TD 18 F DT 18 F	800 1000 1100* 1200*	40	350	610	25/60 18/85	1,2	14	100	$F \leq 25$ $E \leq 20$ $S \leq 18$ $D^* \leq 15$ $C^* \leq 12$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	1,2	0,2	125	45
TT 25 F TD 25 F DT 25 F	800 1000 1100* 1200*	50	460	1060	32/71 25/85	1,20	8,0	100	$F \leq 25$ $E \leq 20$ $S \leq 18$ $D^* \leq 15$ $C^* \leq 12$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,92	0,2	125	45
TT 32 F TD 32 F DT 32 F	800 1000 1100* 1200*	80	850	3600	51/52 32/85	1,30	5,5	120	$F \leq 25$ $E \leq 20$ $S \leq 18$ $D^* \leq 15$ $C^* \leq 12$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,72	0,16	125	45
TT 42 F TD 42 F DT 42 F	800 1000 1100* 1200*	100	1000	5000	64/54 42/85	1,25	3,8	120	$F \leq 25$ $E \leq 20$ $S \leq 18$ $D^* \leq 15$ $C^* \leq 12$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,6	0,16	125	45

Modules with compression bonding

■ TT 50 F TD 50 F DT 50 F	800 1000 1100 1200 1300*	120	1150	7200	76/55 50/85	1,40	4,5	200	$F \leq 25$ $E \leq 20$ $D \leq 15$ $C \leq 12$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,41	0,08	125	49
■ TT 60 F TD 60 F DT 60 F	800 1000 1100 1200 1300*	150	1300	8450	96/50 60/85	1,30	4,0	200	$F \leq 25$ $E \leq 20$ $D \leq 15$ $C \leq 12$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,35	0,08	125	49
TT 71 F TD 71 F DT 71 F	800 1000 1100 1200 1300 1400*	180	2100	22000	115/50 71/85	1,30	3,1	160	$F \leq 25$ $E \leq 20$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,30	0,06	125	50
TT 81 F TD 81 F DT 81 F	200 400 600 800	180	2200	24200	115/62 81/85	1,25	2,0	160	$E \leq 20$ $D \leq 15$ $C^* \leq 12$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,30	0,06	125	50
TT 101 F TD 101 F DT 101 F	800 1000 1100 1200 1300 1400*	200	2400	28800	128/70 101/85	1,20	2,1	160	$F \leq 25$ $E \leq 20$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,23	0,06	125	50
TT 111 F TD 111 F DT 111 F	200 400 600 800	200	2600	33800	128/76 111/85	1,20	1,4	200	$E \leq 20$ $D \leq 15$ $C^* \leq 12$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,23	0,06	125	50
TT 180 F TD 180 F DT 180 F	800 1000 1100 1200 1300*	350	6000	180000	223/73 180/85	1,30	0,9	200	$F \leq 25$ $E \leq 20$ $S \leq 18$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,13	0,04	125	52
TT 200 F TD 200 F DT 200 F	800 1000 1100 1200 1300*	410	6400	205000	261/68 200/85	1,20	0,75	200	$F \leq 25$ $E \leq 20$ $S \leq 18$	$B = 50$ $C = 500$ $L = 500$ $M^* = 1000$	0,13	0,04	125	52

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

■ Not for new design * Delivery for large quantities on request