

Fast Thyristor Modules

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Type	V_{DRM} V_{RRM} V $V_{DSM}=V_{DRM}$ $V_{RSM}=V_{RRM}+100V$	I_{TRMSM} A	I_{TSM} A 10 ms, $t_{vj\ max}$	$\int i^2 dt$ kA ² s 10 ms, $t_{vj\ max}$ *10 ³	I_{TAVM}/t_c A/°C 180° el sin	$V_{(TO)}$ V $t_{vj} =$ $t_{vj\ max}$	r_T mΩ $t_{vj} =$ $t_{vj\ max}$	$(di/dt)_{cr}$ A/μs DIN IEC747-6	t_q μs typ.	$(dv/dt)_{cr}$ V/μs ²⁾ DIN IEC 747-6	R_{thJC} °C/W 180° el sin	R_{thCK} °C/W	$t_{vj\ max}$ °C	outline
Baseplate = 20 mm														
TT 46 F	800...1200*	120	1150	6,60	45/85	1,30	3,4	120	$F \leq 25$	B = 50	0,52	0,16	125	96
TD 46 F					76/48				$E \leq 20$	C = 500				
DT 46 F									$D \leq 15^{1)}$	L = 500				
									$C \leq 12^{1)}$	M* = 1000				
Baseplate = 25 mm														
■ TT 60 F	800...1300*	150	1300	8,45	60/85	1,30	4	200	$F \leq 25$	B = 50	0,35	0,08	125	97
■ TD 60 F					96/50				$E \leq 20$	C = 500				
■ DT 60 F									$D \leq 15^{1)}$	L = 500				
									$C \leq 12^{1)}$	M* = 1000				
Baseplate = 30 mm														
TT 71 F	800...1400*	180	2100	22,00	71/85	1,30	3,1	160	$F \leq 25$	B = 50	0,30	0,06	125	98
TD 71 F					115/50				$E \leq 20$	C = 500				
DT 71 F										L = 500				
										M* = 1000				
TT 81 F	200... 800	180	2200	24,20	81/85	1,25	2	160	$E \leq 20$	B = 50	0,30	0,06	125	98
TD 81 F					115/62				$D \leq 15$	C = 500				
DT 81 F									$C^* \leq 12$	L = 500				
										M* = 1000				
TT 101 F	800...1400*	200	2400	28,80	101/85	1,20	2,1	160	$F \leq 25$	B = 50	0,23	0,06	125	98
TD 101 F					128/70				$E \leq 20$	C = 500				
DT 101 F										L = 500				
										M* = 1000				
TT 111 F	200...800	200	2600	33,80	111/85	1,20	1,4	200	$E \leq 20$	B = 50	0,23	0,06	125	98
TD 111 F					128/76				$D \leq 15$	C = 500				
DT 111 F									$C^* \leq 12$	L = 500				
										M* = 1000				
Baseplate = 50 mm														
TT 180 F	800...1300*	350	6000	180,00	180/85	1,30	0,9	200	$F \leq 25$	B = 50	0,13	0,04	125	100
TD 180 F					223/73				$E \leq 20$	C = 500				
DT 180 F									$S \leq 18$	L = 500				
										M* = 1000				
TT 200 F	800...1300*	410	6400	205,00	200/85	1,20	0,75	200	$F \leq 25$	B = 50	0,13	0,04	125	100
TD 200 F					261/68				$E \leq 20$	C = 500				
DT 200 F									$S \leq 18$	L = 500				
										M* = 1000				
TZ 335 F	800...1300*	700	10000	500,00	335/85	1,15	0,42	200	G = 30	B = 50	0,08	0,02	125	101
					445/68				F = 25	C = 500				
									E = 20	L = 500				
										M* = 1000				

■ Not for new design

* Delivery for large quantities on request

¹⁾ only $\leq 1000V$ www.DataSheet4U.com

²⁾ Values without prior commutation

Most types of the power module have been UL-recognized

