

Symbol	Conditions	Values	Units
I_{TAV}	sin. 180; $T_c = 100$ (85) °C;	488 (696)	A
I_D	2 x P8/180; $T_a = 45$ °C; B2 / B6	440 / 620	A
	2 x P8/180 F; $T_a = 35$ °C; B2 / B6	1200 /1700	A
I_{RMS}	2 x P8/180; $T_a = 45$ °C; W1C	480	A
I_{TSM}	$T_{vj} = 25$ °C; 10 ms	15000	A
	$T_{vj} = 125$ °C; 10 ms	13000	A
ρt	$T_{vj} = 25$ °C; 8,3 ... 10 ms	1125000	A*s
	$T_{vj} = 125$ °C; 8,3 ... 10 ms	845000	A*s
V_T	$T_{vj} = 25$ °C; $I_T = 2400$ A	max. 1,65	V
$V_{T(TO)}$	$T_{vj} = 125$ °C	max. 0,92	V
r_T	$T_{vj} = 125$ °C	max. 0,3	mΩ
I_{DD} ; I_{RD}	$T_{vj} = 125$ °C; $V_{RD} = V_{RRM}$; $V_{DD} = V_{DRM}$	max. 90	mA
t_{gd}	$T_{vj} = 25$ °C; $I_G = 1$ A; $di_G/dt = 1$ A/μs	1	μs
t_{gr}	$V_D = 0,67 * V_{DRM}$	2	μs
$(di/dt)_{cr}$	$T_{vj} = 125$ °C	max. 125	A/μs
$(dv/dt)_{cr}$	$T_{vj} = 125$ °C ; SKT ...D / SKT ...E	max. 500 / 1000	V/μs
t_q	$T_{vj} = 125$ °C ,	100 ... 200	μs
I_H	$T_{vj} = 25$ °C; typ. / max.	150 / 500	mA
I_L	$T_{vj} = 25$ °C; typ. / max.	500 / 2000	mA
V_{GT}	$T_{vj} = 25$ °C; d.c.	min. 3	V
I_{GT}	$T_{vj} = 25$ °C; d.c.	min. 200	mA
V_{GD}	$T_{vj} = 125$ °C; d.c.	max. 0,25	V
I_{GD}	$T_{vj} = 125$ °C; d.c.	max. 10	mA
$R_{th(j-c)}$	cont.; DSC	0,038	K/W
$R_{th(j-c)}$	sin. 180; DSC / SSC	0,04 / 0,082	K/W
$R_{th(j-c)}$	rec. 120; DSC / SSC	0,045 / 0,093	K/W
$R_{th(c-s)}$	DSC / SSC	0,007 / 0,014	K/W
T_{vj}		- 40 ... + 125	°C
T_{sig}		- 40 ... + 130	°C
V_{isol}		-	V~
F	mounting force	10 ... 13	kN
a			m/s ²
m	approx.	240	g
Case		B 10	

