

Symbol	Conditions	Values	Units
$I_{TAV}$	sin. 180; $T_c = 100$ (85) °C;	391 (550)	A
$I_D$	2 x P8/180; $T_a = 45$ °C; B2 / B6	390 / 560	A
	2 x P8/180 F; $T_a = 35$ °C; B2 / B6	980 / 1340	A
$I_{RMS}$	2 x P8/180; $T_a = 45$ °C; W1C	430	A
$I_{TSM}$	$T_{vj} = 25$ °C; 10 ms	9000	A
	$T_{vj} = 125$ °C; 10 ms	8000	A
$\bar{P}t$	$T_{vj} = 25$ °C; 8,3 ... 10 ms	405000	A²s
	$T_{vj} = 125$ °C; 8,3 ... 10 ms	320000	A²s
$V_T$	$T_{vj} = 25$ °C; $I_T = 1500$ A	max. 1,65	V
$V_{T(TO)}$	$T_{vj} = 125$ °C	max. 0,925	V
$r_T$	$T_{vj} = 125$ °C	max. 0,45	mΩ
$I_{DD}$ ; $I_{RD}$	$T_{vj} = 125$ °C; $V_{RD} = V_{RRM}$ ; $V_{DD} = V_{DRM}$	max. 60	mA
$t_{gd}$	$T_{vj} = 25$ °C; $I_G = 1$ A; $di_G/dt = 1$ A/μs	1	μs
$t_{gr}$	$V_D = 0,67 \cdot V_{DRM}$	1	μs
$(di/dt)_{cr}$	$T_{vj} = 125$ °C	max. 125	A/μs
$(dv/dt)_{cr}$	$T_{vj} = 125$ °C	max. 1000	V/μs
$t_q$	$T_{vj} = 125$ °C	50 ... 150	μs
$I_H$	$T_{vj} = 25$ °C; typ. / max.	150 / 500	mA
$I_L$	$T_{vj} = 25$ °C; $R_G = 33$ Ω; 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. 250	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	0,045	K/W
$R_{th(j-c)}$	sin. 180; DSC / SSC	0,047 / 0,1	K/W
$R_{th(j-c)}$	rec. 120; DSC / SSC	0,054 / 0,113	K/W
$R_{th(c-s)}$	DSC / SSC	0,012 / 0,024	K/W
$T_{vj}$		- 40 ... + 125	°C
$T_{stg}$		- 40 ... + 130	°C
$V_{isol}$		-	V-
F	mounting force	5,2 ... 8	kN
a			m/s²
m	approx.	105	g
Case		B 11	

Dimensions in mm

