

:YUhi fYg

- Shorter recovery time
- Reduced temperature dependence
- High-speed switching possible

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Parameter	Symbol	Value	Unit
Reverse voltage (repetitive peak)	V_{RM}	1200	V
Reverse voltage (DC)	V_R	1200	V
Continuous forward current ⁷	I_F	5/10 ^{*1}	A
Surge no repetitive forward current ⁷	I_{FSM}	23/46 ^{*2}	A
		87/170 ^{*3}	A
		18/36 ^{*4}	A
Repetitive peak forward current ⁷	I_{FRM}	24/49 ^{*5}	A
Total power dissipation ⁷	P_D	80/170 ^{*6}	W
Junction temperature	T_j	175	°C
Range of storage temperature	T_{stg}	455 to 2175	°C

*1 $T_c=148^{\circ}C/T_c=150^{\circ}C$ *2 $PW=8.3ms$ sinusoidal, $T_j=25^{\circ}C$ *3 $PW=10\mu s$ square, $T_j=25^{\circ}C$

*4 $PW=8.3ms$ sinusoidal, $T_j=150^{\circ}C$ *5 $T_c=100^{\circ}C$, $T_j=150^{\circ}C$, Duty cycle=10%

*6 $T_c=25^{\circ}C$ *7 Per leg / Both legs

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