



■ ABSOLUTE MAXIMUM RATINGS ( $T_A=25^\circ\text{C}$ , unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
DC Blocking Voltage	$V_R$	60	V
Peak Repetitive Reverse Voltage	$V_{RRM}$	60	V
Working Peak Reverse Voltage	$V_{RWM}$	60	V
RMS Reverse Voltage	$V_{R(RMS)}$	42	V
Average Rectified Output Current (Note 2)	$I_O$	3.0	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	$I_{FSM}$	80	A
Forward Voltage (Note 3)	$I_F=3.0\text{A}$ $V_{FM}$	0.74	V
Peak Reverse Current at Rated DC Blocking Voltage (Note 3)	$T_A=25^\circ\text{C}$ $I_{RM}$	0.5	mA
	$T_A=100^\circ\text{C}$	10	mA
Junction to Ambient (Note 4)	$\theta_{JA}$	30	$^\circ\text{C/W}$
Junction to Lead (Note 4)	$\theta_{JL}$	10	$^\circ\text{C/W}$
Storage Temperature	$T_J$	-65~+150	$^\circ\text{C}$
Operating Junction Temperature	$T_{STG}$	-65~+150	$^\circ\text{C}$

- Notes: 1. Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.
2. Measured at ambient temperature at a distance of 9.5mm from the case.
3. Short duration pulse test used to minimize self-heating effect.
4. Thermal resistance from junction to lead vertical P.C.B. mounted, 0.500" (12.7mm) lead length with 2.5x2.5" (63.5x63.5mm) copper pad.

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