



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

PARAMETER	SYMBOL	RATINGS	UNIT
DC Blocking Voltage	$V_R$	60	V
Working Peak Reverse Voltage	$V_{RWM}$	60	V
Peak Repetitive Reverse Voltage	$V_{RRM}$	60	V
RMS Reverse Voltage	$V_{R(RMS)}$	42	V
Average Forward Rectified Current	$I_O$	10	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load Per Diode	$I_{FSM}$	250	A
Operating Junction Temperature	$T_J$	-65~+150	$^\circ\text{C}$
Storage Temperature	$T_{STG}$	-65~+150	$^\circ\text{C}$

Note: 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.

■ THERMAL CHARACTERISTICS ( $T_A=25^\circ\text{C}$ , unless otherwise noted.)

PARAMETER	SYMBOL	RATINGS	UNIT
Junction to Ambient	$\theta_{JA}$	62.5	$^\circ\text{C}/\text{W}$
Junction to Case	$\theta_{JC}$	3.5	$^\circ\text{C}/\text{W}$

■ ELECTRICAL CHARACTERISTICS (Note 1) ( $T_A=25^\circ\text{C}$ , unless otherwise noted.)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Instantaneous Forward Voltage	$V_F$	$I_F=10\text{A}$ , $T_C=25^\circ\text{C}$			0.75	V
Instantaneous Reverse Current at Rated DC Blocking Voltage Per Diode	$I_R$	$T_C=25^\circ\text{C}$			1.0	mA
		$T_C=100^\circ\text{C}$			50	mA
Junction Capacitance (Note 2)	$C_J$			700		pF

Notes: 1. Thermal resistance junction to case mounted on heatsink.  
2. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

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