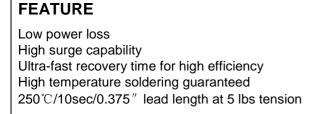
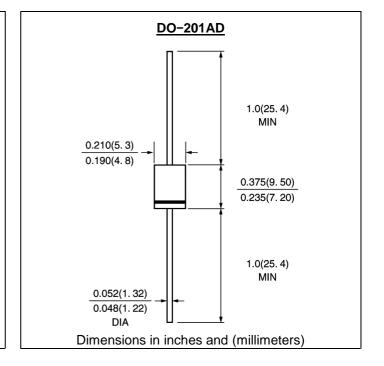
## 31GF6

## ULTRAFAST EFFICIENT GLASS PASSIVATED RECTIFIER VOLTAGE: 600V CURRENT: 3.0A







## MECHANICAL DATA

Terminal: Plated axial leads solderable per MIL-STD 750, method 2026 Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy Polarity: color band denotes cathode Mounting position: any

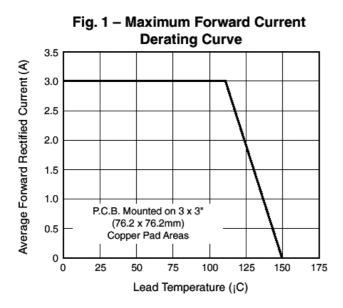
## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

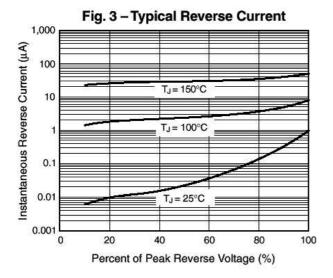
(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25 °C, unless otherwise stated)

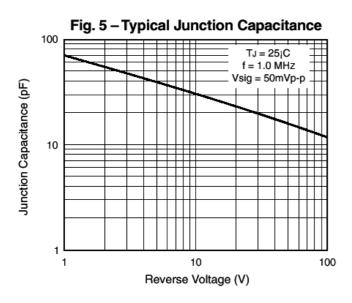
	SYMBOL	31GF6	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	600	V
Maximum RMS Voltage	Vrms	420	V
Maximum DC blocking Voltage	Vdc	600	V
Maximum Average Forward Rectified Current, 0.375 <sup><math>''</math></sup> lead length at TL =110 <sup><math>\circ</math>C</sup>	lf(av)	3.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	lfsm	90	А
Maximum Forward Voltage at Forward current At3.0A (Note 1)	Vf	1.6	V
Maximum DC Reverse Current Ta =25 $^{\circ}$ C	Ir	10.0	μA
at rated DC blocking voltage Ta =120 $^{\circ}$ C		100.0	μ Α
Maximum Reverse Recovery Time (Note 2)	Trr	30	nS
Typical Thermal Resistance	R(ja)	30.0	°CM
Storage and Operating Junction Temperature	Tstg,Tj	-40 to +150	°C

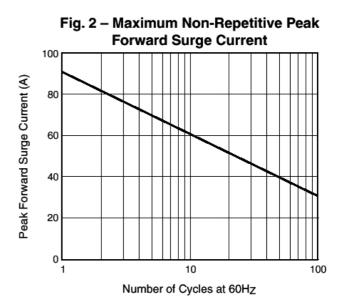
Note:

- 1. Pulse test:300uS pulse width, 1% duty cycle
- 2. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A

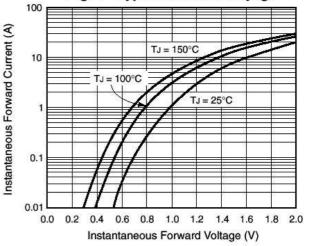












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