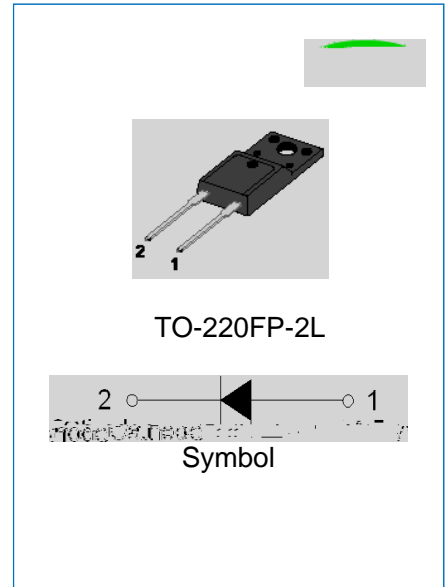




- ✧ Plastic package has underwriters laboratory flammability classification 94V-0
- ✧ Lead free in comply with EU RoHS 2011/65/EU directives
- ✧ Low reverse leakage current
- ✧ Ultrafast recovery time
- ✧ Epitaxial planar technology
- ✧ 5



MECHANICAL DATA

- ✧ Case: TO-220FP-2L molded plastic over passivated junction
- ✧ Terminals: Solder plated, solderable per J-STD-002
- ✧ Weight: 2 gram

(Rating at 25 ambient temperature unless otherwise specified.)

Maximum repetitive peak reverse voltage	$V_{RRM}$	600	V
Maximum DC blocking voltage	$V_{DC}$	600	V
Average forward current at $T_C=88$	$I_{F(AV)}$	30	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	330	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load		300	
Junction temperature and storage temperature range	$T_J, T_{stg}$	-55 to +175	

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50Hz f 60Hz;RH 65% 9isol from cathode to external heatsink Isolation capacitance -

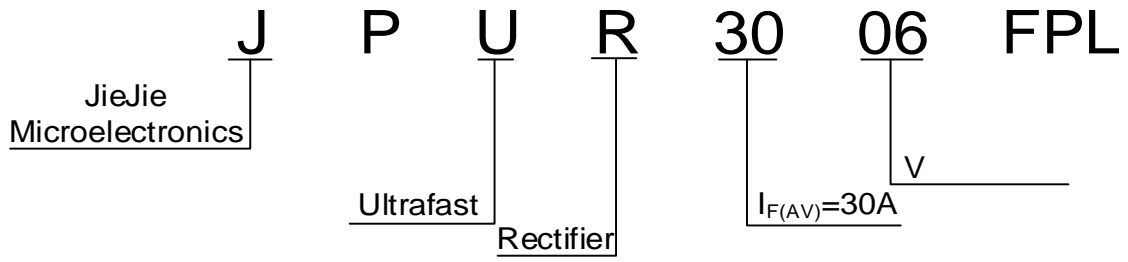
$V_{isol(RMS)}$  RMS isolation voltage

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(Rating at 25 ambient temperature unless otherwise specified.)

Forward voltage	$I_F=30A, T_j=25$	$V_F$	-	1.35	1.6	V
	$I_F=30A, T_j=150$		-	1.1	-	V
Reverse current	$V_R=600V, T_j=25$	$I_R$	-	-	5	$\mu A$
	$V_R=600V, T_j=150$		-	-	400	
Reverse recovery time	$I_F=1A, V_R=30V,$ $di_F/dt=200A/\mu s, T_j=25$	$t_{rr}$	-	28	45	ns
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$ $I_F=30A, V_R=200V,$ $di$		-	80	-	








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