Plastic package has underwriters laboratory flammability classification 94V-0
Lead free in comply with EU RoHS 2011/65/EU directives
Low reverse leakage current
Hyperfast recovery time
Epitaxial planar technology
5th Generation soft fast recovery characteristics
Low recovery loss

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

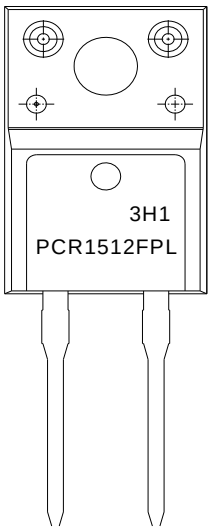
(Rating at 25 ambient temperature unless otherwise specified.)

Maximum repetitive peak reverse voltage	V_{RRM}	1200	V
Maximum DC blocking voltage	V_{DC}	1200	V
Average forward current at T_C=55	$I_{F(AV)}$	15	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	220	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load		200	Θ

$V_{isol(RMS)}$	RMS isolation voltage	50Hz≤f≤60Hz;RH≤65%; from all pins to external heatsink; sinusoidal waveform; clean and dust free	-	-	2500	V

(Rating at 25 ambient temperature unless otherwise specified.)

Forward voltage	I_F=15A,T_j=25	V_F	-	2.8	3.3	V
	I_F=15A,T_j=150		-	2.1	3	V
Reverse current	V_R=1200V,T_j=25	I_R	-	-	5	μA
	V_R=1200V,T_j=150		-	-	300	
Reverse recovery time	I_F=1A,V_R=30V, dI$_F$/dt=200A/μs,T_j=25	t_{rr}	-	25	-	ns
	I_F=15A,V_R=400V, dI$_F$/dt=200A/μs,T_j=25		-	85	-	
	I_F=15A,V_R=400V, dI$_F$/dt=200A/μs,T_j=125		-	160	.85	



J P C R 15 12 FPL

- J: JieJie Microelectronics
- P: Epi planar
- C: Hyperfast
- R: Rectifier
- 15: $I_{F(AV)}$=15A
- 12: V_{RRM}:1200V
- FPL: Package: TO-220FP-2L

OUTLINE	UNIT WEIGHT (g/PCS) typ.	TUBE (PCS)	PER CARTON (PCS)
TUBE	2	50	5,000

FIG.1 Typical forward characteristics

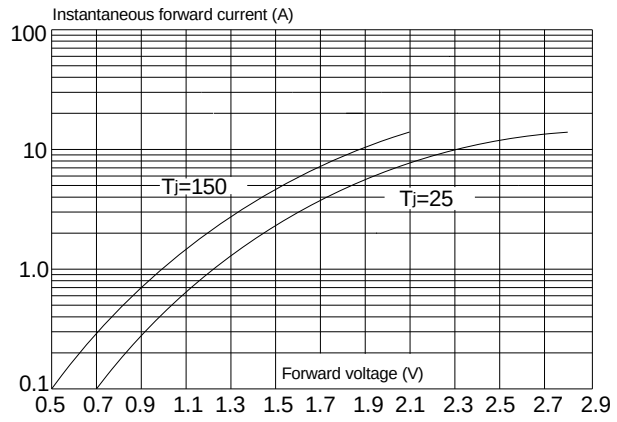


FIG.2 Typical reverse characteristics

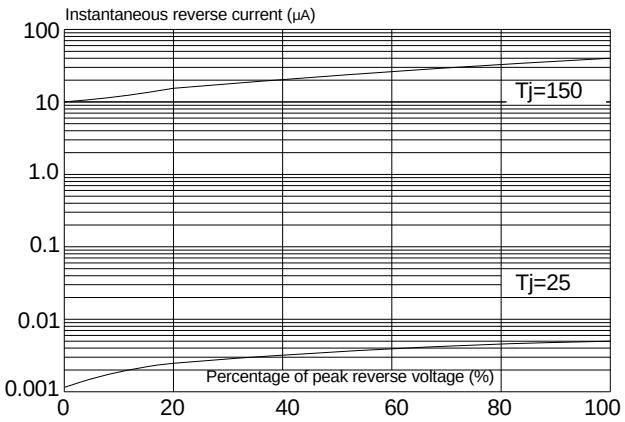


FIG.3 Maximum non-repetitive peak forward surge current(8.3ms single half sine-wave)

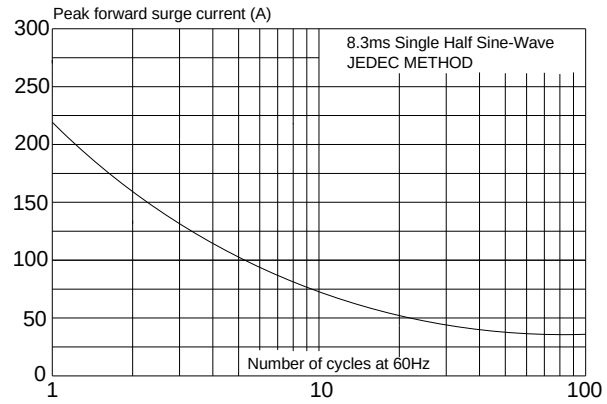


FIG.4: Maximum non-repetitive peak forward surge current(10ms single half sine-wave)

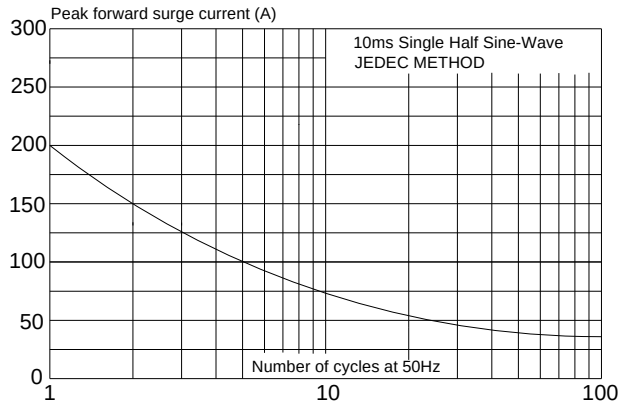
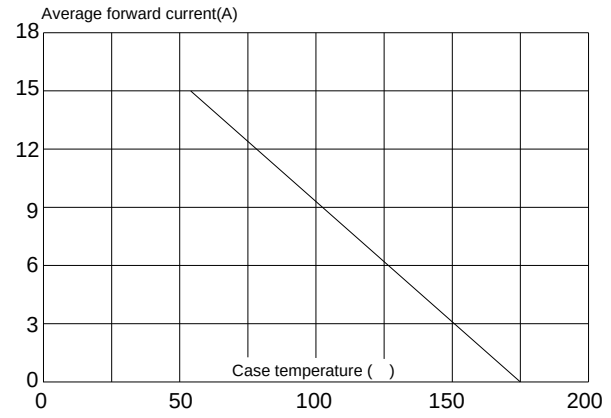
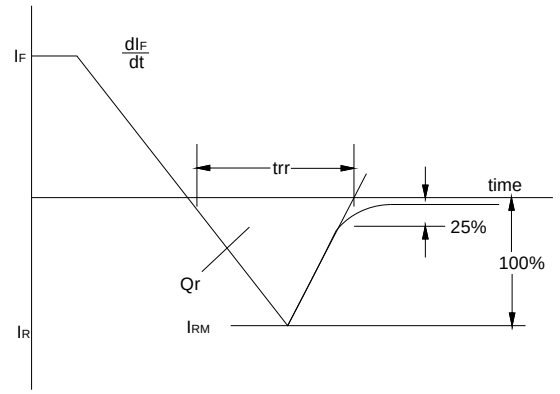


FIG.5: Forward current derating curve	FIG.6: Reverse recovery definitions
	

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