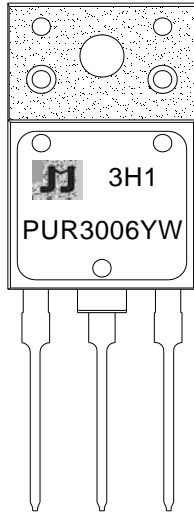




(Rating at 25 ambient temperature unless otherwise specified.)

Forward voltage	$I_F=30A, T_j=25$	$V_F$	-	1.5	2	V
	$I_F=30A, T_j=150$		-	1.35	1.75	V
Reverse current	$V_R=600V, T_j=25$	$I_R$	-	-	5	$\mu A$
	$V_R=600V, T_j=150$		-	20	200	
Reverse recovery time	$I_F=1A, V_R=30V,$ $di_F/dt=200A/\mu s, T_j=25$	$t_{rr}$	-	28	45	ns
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$		-	100	-	
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=125$		-	170	-	
Reverse recovery current	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$	$I_{RM}$	-	7	-	A
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=125$		-	14	-	
Reverse charge	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$	$Q_r$	-	400	-	nC
	$I_F=30A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=125$		-	1400	-	

$R_{th(j-c)}$	Thermal resistance from junction to case	-	-	2.5	/W
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PUR	Planar Ultrafast Recovery Rectifier
30	$I_{F(AV)}=30A$
06	$V_{RRM}:600V$
YW	Package: TO-3PF

\_H1: Month, 1/2/3~9/A/B/C

3\_1:

2018	2019	2020	2021	2022	2023	2024
H		J	K	L	M	N
2025	2026	2027	2028	2029	2030	...
O	P	Q	R	S	T	...

3H\_: Batch number

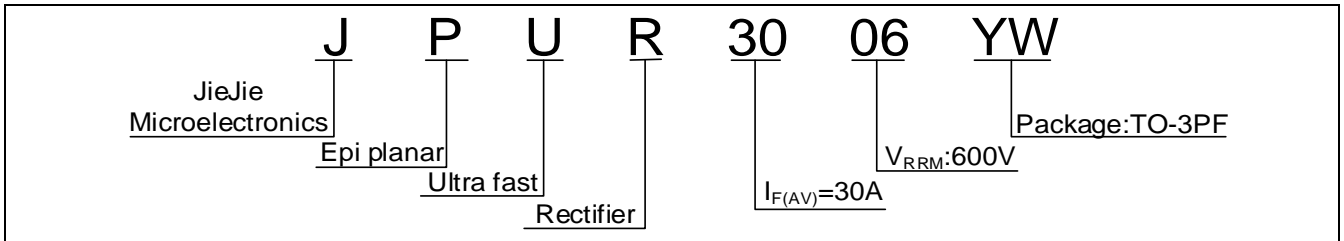






FIG.3: Maximum non-repetitive peak forward surge current(10ms single half sine-wave)

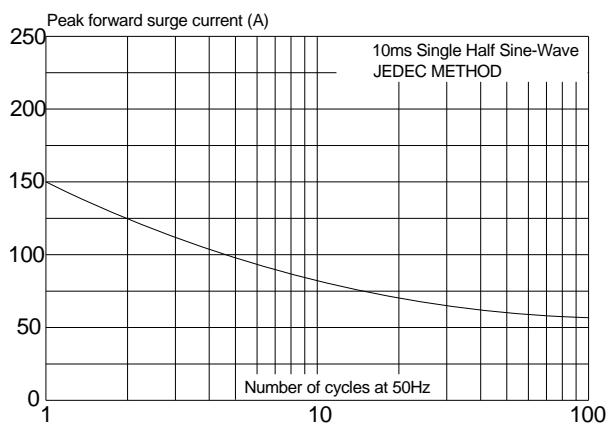


FIG.4: Forward current derating curve

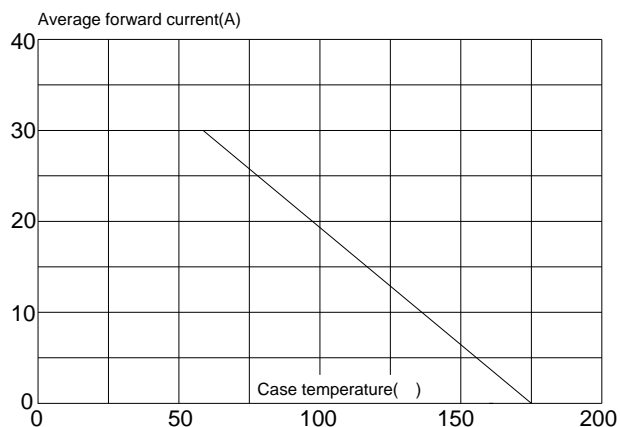
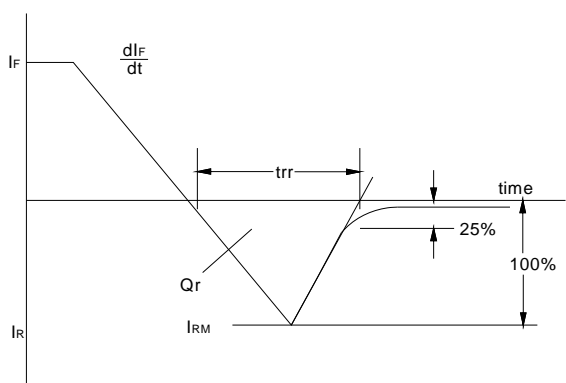


FIG.5: Reverse recovery definitions





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