

### MECHANICAL DATA

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

### ABSOLUTE MAXIMUM RATING (Rating at 25 °C ambient temperature unless otherwise specified.)

Parameter	Symbol	JE3R3006FPL-S	Unit
Maximum repetitive	V <sub>re</sub>		

					Max.	Unit
V <sub>isol(RMS)</sub>	RMS isolation voltage	50Hz f 60Hz; RH 65%; from all pins to external heatsink; sinusoidal waveform; clean and dust free	-	-	2500	V
C <sub>isol</sub>	Isolation capacitance	from cathode to external heatsink	-	10	-	pF

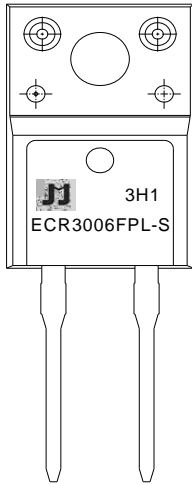


# JECR3006FPL-S



JieJie Microelectronics Co., Ltd.

## MARKING



ECR	EPI Hyperfast Recovery Rectifier
30	$I_{F(AV)}=30A$
06	$V_{RRM}:600V$
FPL	Package:TO-220FP-2L
S	Softness factor

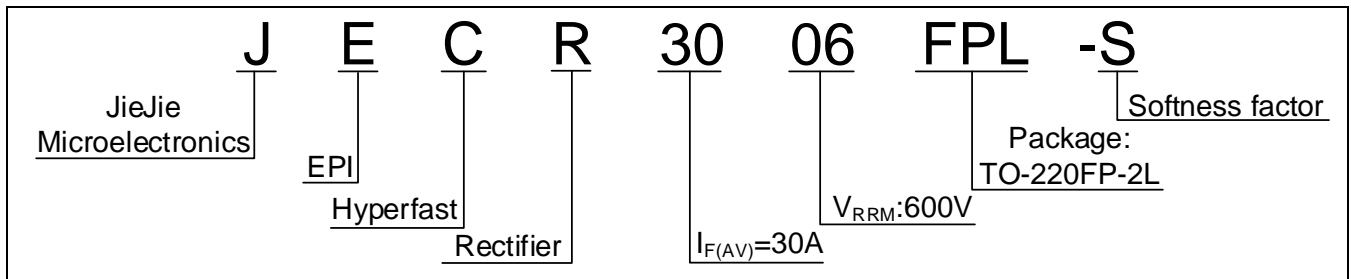
xH1 Month,1/2/3~9/A/B/C

3x1

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

3Hx Batch number

## ORDERING INFORMATION





PACKAGE MECHANICAL DATA



1



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

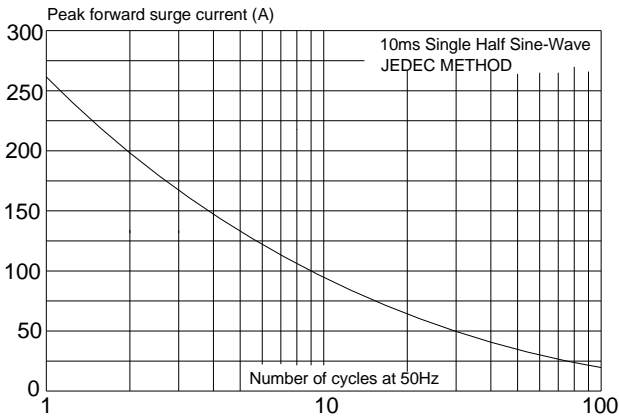


FIG.4: Maximum non-repetitive peak forward surge current(8.3ms single half sine-wave)

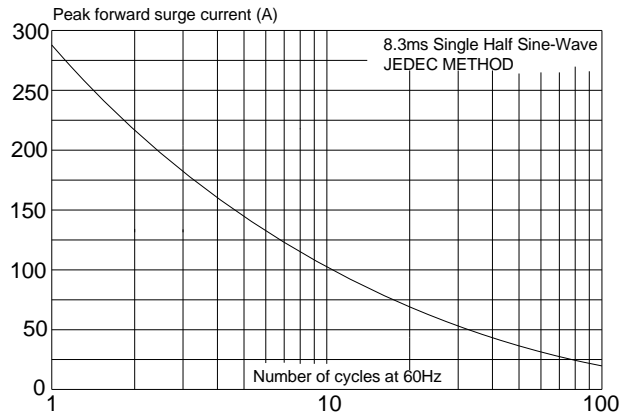


FIG.5: Forward current derating curve

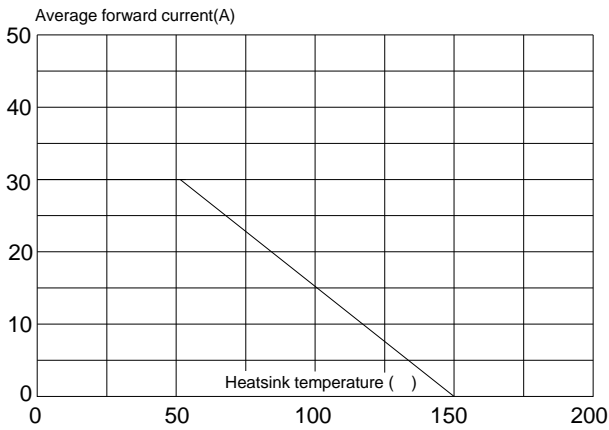
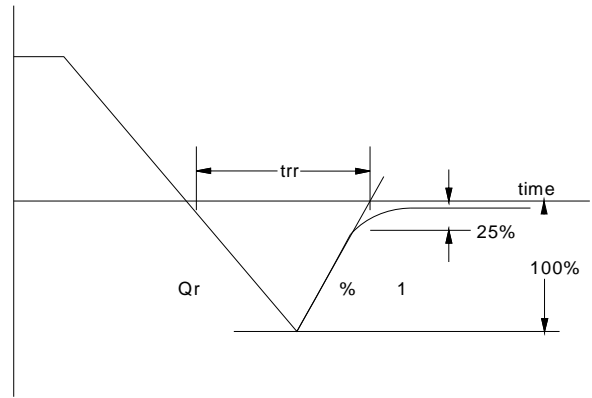


FIG.6: Reverse recovery definitions





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