

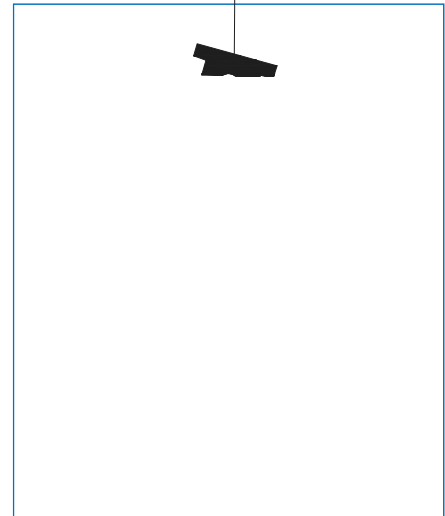


## JEUR3006SL EPI ULTRAFast RECOVERY RECTIFIER

Rev.2.0

### DESCRIPTION

- 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 and soft recovery characteristics
- Low recovery loss



### MECHANICAL DATA

- Case: TO-247J-2L molded plastic
- Terminals: Solder plated, solderable per J-STD-002
- Weight:5.75gram

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

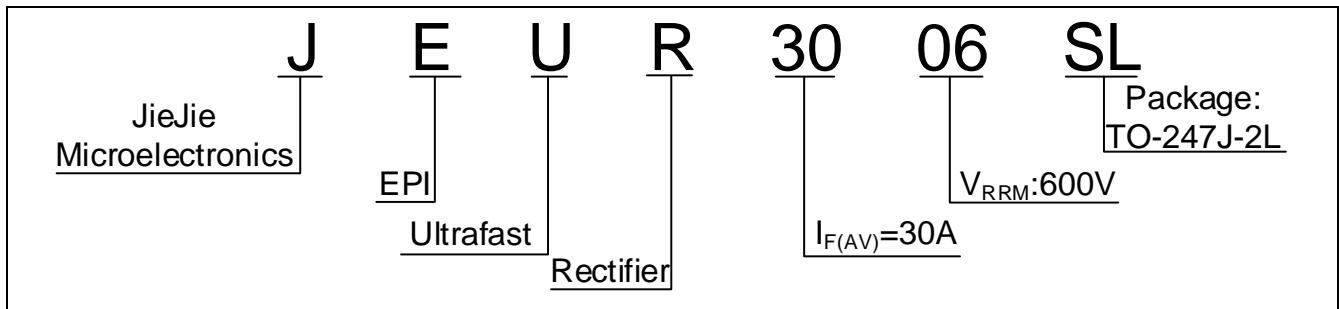
Parameter	Symbol	JEUR3006SL	Unit
Maximum repetitive peak reverse voltage	$V_{RRM}$	600	V
Maximum DC blocking voltage	$V_{DC}$	600	V
Average forward current at $T_{mb}=129$	$I_{F(AV)}$	30	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load	$I_{FSM}$	300	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	330	A
Junction temperature and storage temperature range	$T_j, T_{stg}$	-55 to +150	

### ELECTRICAL CHARACTERISTICS (Rating at 25 ambient temperature unless otherwise specified.)

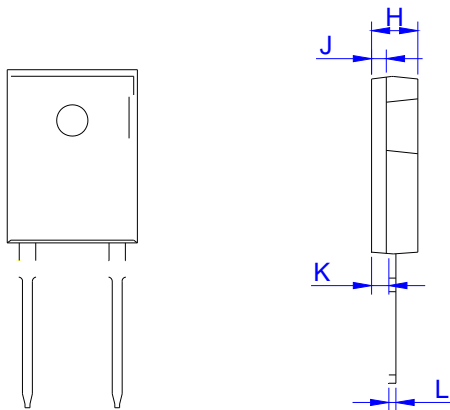
Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward voltage	$V_F$	-	1.3	1.55	V
			1.1	-	
Reverse current	$I_R$	-	-	5	uA
			-	300	



**ORDERING INFORMATION**

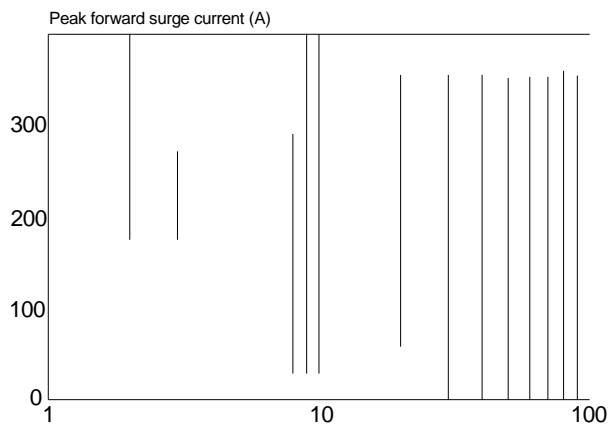
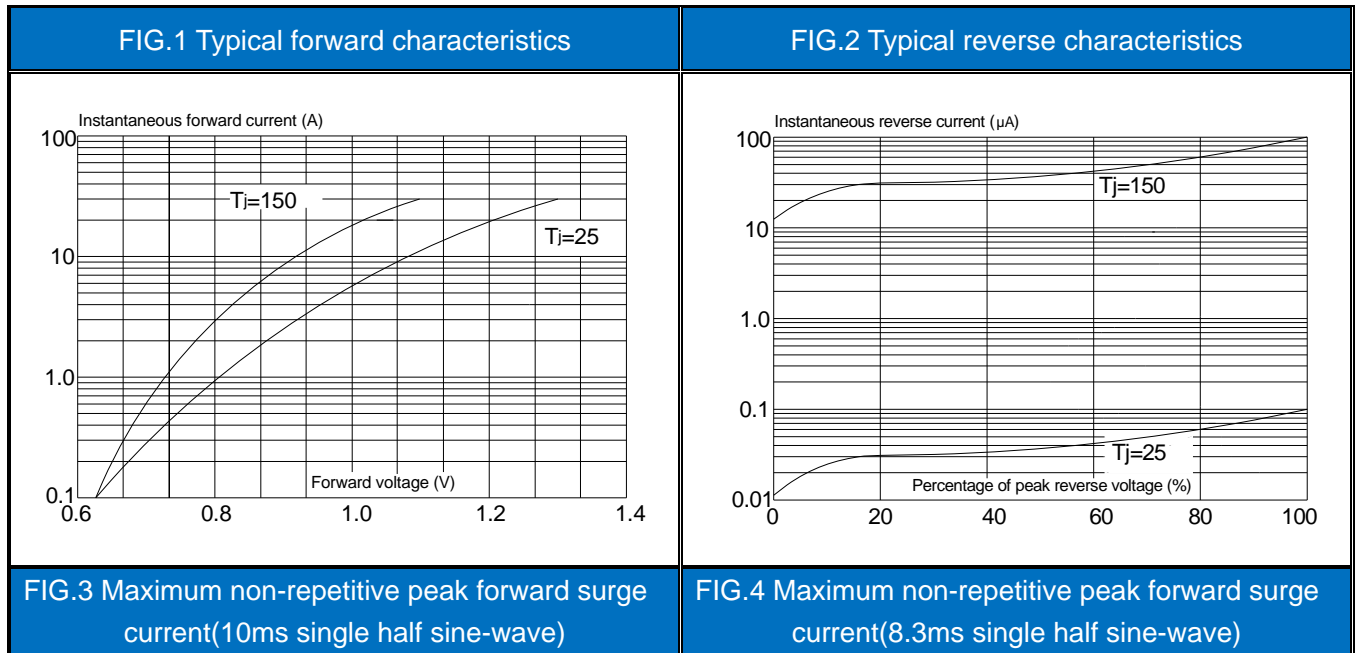


**PACKAGE MECHANICAL DATA**



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	15.50	15.80	16.10	0.610	0.622	0.634
B	20.80	21.00	21.20	0.819	0.827	0.835
C	19.70	20.00	20.30	0.776	0.787	0.799
D	1.80	2.00	2.20	0.071	0.079	0.087
E	1.90	2.10	2.30	0.075	0.083	0.091
F	1.00	1.20	1.40	0.039	0.047	0.055
G	10.50		11.30	0.413		0.445
H	4.80	5.00	5.20	0.189	0.197	0.205
J	1.90	2.00	2.10	0.075	0.079	0.083
K	2.20	2.35	2.50	0.087	0.093	0.098
L	0.41	0.60	0.79	0.016	0.024	0.031

CHARACTERISTICS CURVE




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