



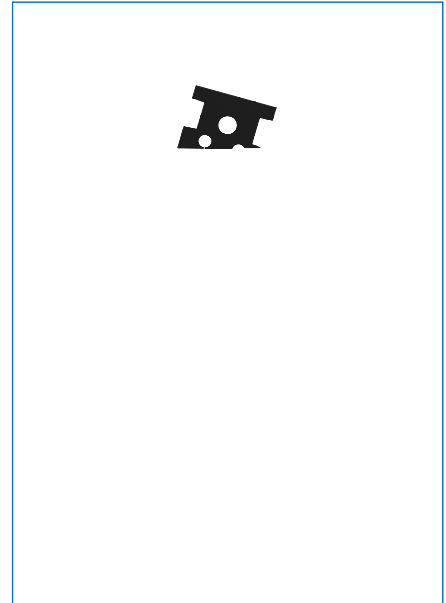
JPUR3012SL

EPI PLANAR ULTRAFAST SOFT RECOVERY RECTIFIER

Rev.1.4

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
 Epitaxial planar technology
 5th Generation soft fast recovery characteristics
 Low recovery loss



MECHANICAL DATA

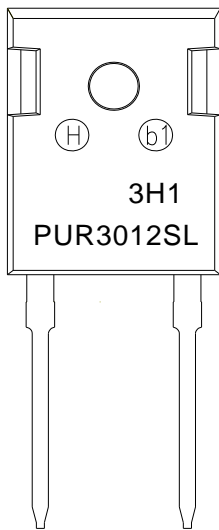
Case: TO-247J-2L molded plastic
 Terminals: Solder plated, solderable per J-STD-002
 Weight:5.75gram

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

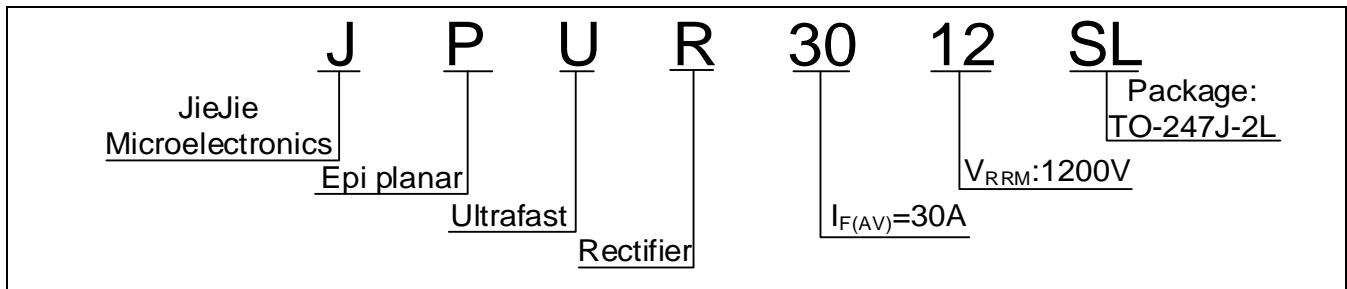
Parameter	Symbol	JPUR3012SL	Unit
Maximum repetitive peak reverse voltage	V_{RM}	1200	V
Maximum DC blocking voltage	V_C	1200	V
Average forward current at $T_c=125$	$I_{(AV)}$	30	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load	I_{SM}	300	A
Junction temperature and storage temperature range	T_{stg}	-55 to +175	



MARKING



ORDERING INFORMATION



PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A						
B						
C						
D						
E						
F						
G						
H						
J						
K						
L						



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