



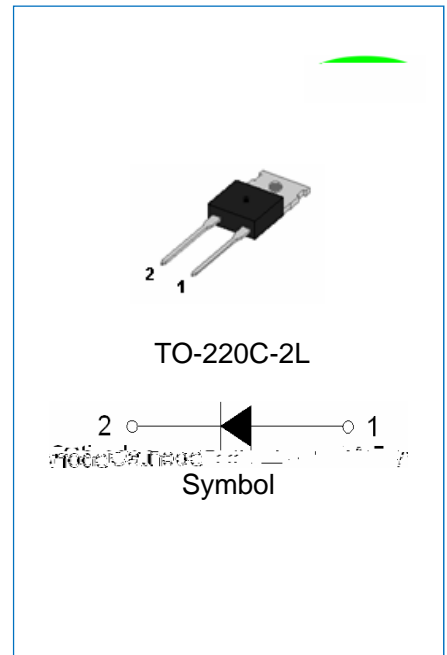
JPCR1506CL

EPI PLANAR HYPERFAST SOFT RECOVERY RECTIFIER

Rev.1.2

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
- Hyperfast recovery time
- Low recovery loss
- Epitaxial planar technology
- 5th Generation soft fast recovery characteristics
- Output rectifiers in high-frequency switched-mode power supplies



MECHANICAL DATA

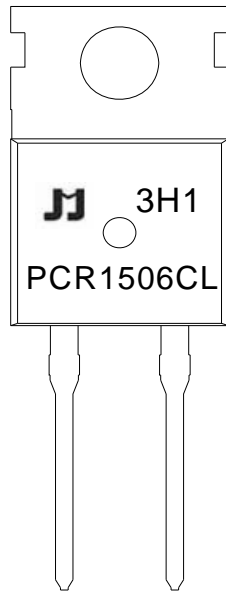
Condition e)

ted, solderable per J-STD-002

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

Parameter	Symbol		
Average forward current at 15	$I_{F(AV)}$	15	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	165	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load		150	
Junction temperature and storage temperature range	T_j, T_{stg}	-55 to +175	

MARKING



PCR	Planar Hyperfast Recovery Rectifier
15	$I_{F(AV)}=15A$
06	$V_{RRM}:600V$
CL	Package: TO-220C-2L

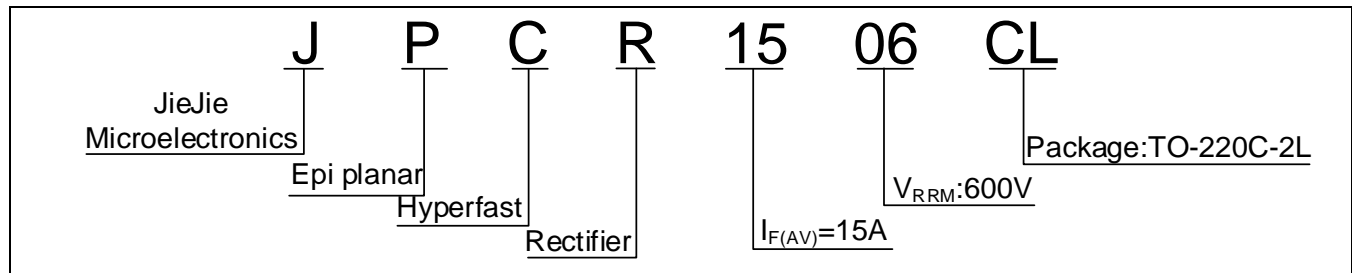
xH1 Month 1 2 3 9 A B C

3x1

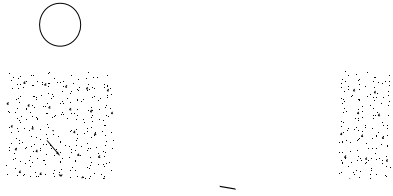
2018	2019	2020	2021	2022	2023	2024
H	I	J	K	L	M	N
2025	2026	2027	2028	2029	2030	...
O	P	Q	R	S	T	...

3Hx Batch number

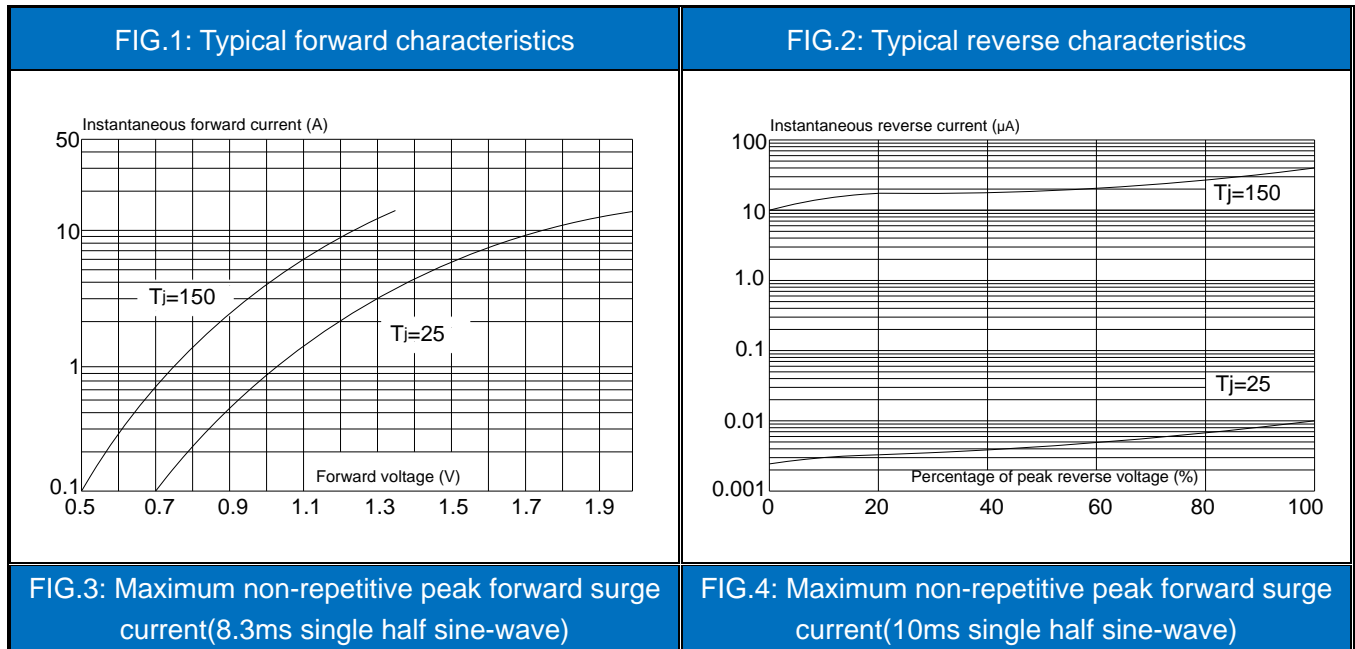
ORDERING INFORMATION



PACKAGE MECHANICAL DATA



CHARACTERISTICS CURVE



0 Peak forward surge current (AN C Bee 0w f 0.5a ist -

0
1 10 100

JieJie c

e m ssi ne ,Ji