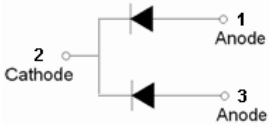
Plastic package has underwriters laboratory flammability classification 94V-0
Lead free in comply with EU RoHS 2011/65/EU directives
Low reverse leakage current
Ultrafast recovery time
Epitaxial planar technology
5th Generation t
Weight:5.15gram

Terminals: Solder plated, solderable per J-STD-002

TO-3PN

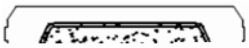


Symbol

(Rating at 25 ambient temperature unless otherwise specified.)

Maximum repetitive peak reverse voltage (Pin1~2 or Pin3~2)	V_{RRM}	300	V
Maximum DC blocking voltage(Pin1~2 or Pin3~2)	V_{DC}	300	V
Average forward current at T_C=130 (Pin1,3~2)	$I_{F(AV)}$	80	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load(Pin1~2 or Pin3~2)	I_{FSM}	400	A
Junction temperature and storage temperature range	T_j,T_{stg}	-55 to +175	

(Rating at 25 ambient temperature unless otherwise specified.)



3H1

PUR8003NCT

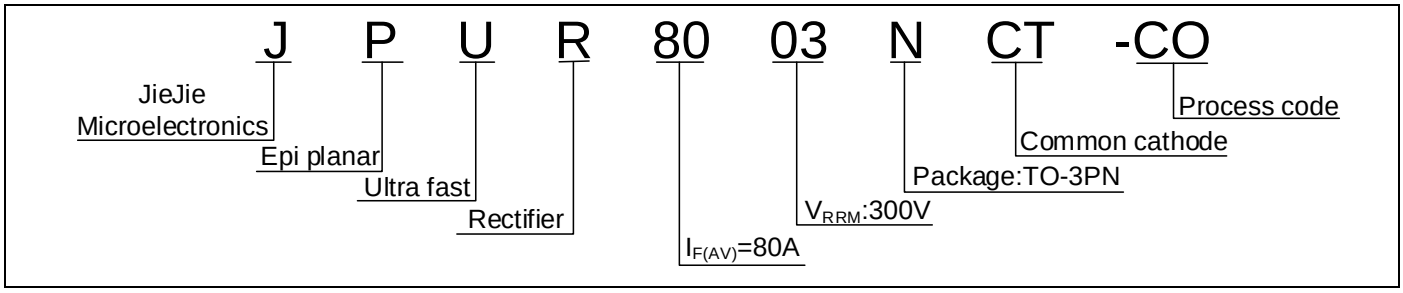
PUR	Planar Ultrafast Recovery Rectifier
80	$I_{F(AV)}$=80A
03	V_{RRM}:300V
N	Package:TO-3PN
CT	Common cathode

_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



3$&.$*(0(&+$1,&$/ '7

3$&.$*(,1)250$7,21 72 31

287/,1(	81,7 :(,*+7 J 3&6 7<3	78%(3&6	3(5 &$5721 3&6
78%(			

FIG.1 Typical forward characteristics
(Pin1~2 or Pin3~2)

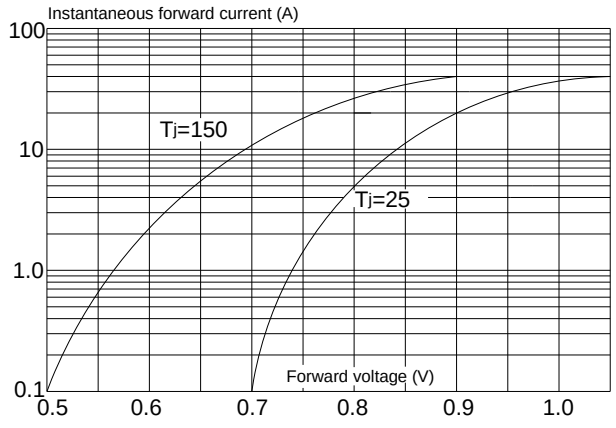


FIG.2 Typical reverse characteristics
(Pin1~2 or Pin3~2)

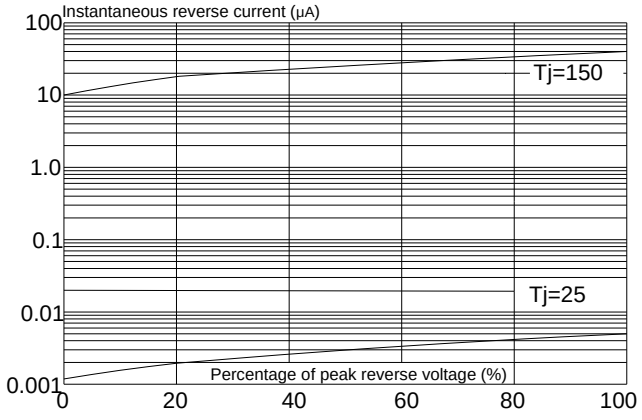


FIG.3: Maximum non-repetitive peak forward surge current
(10ms single half sine-wave, Pin1~2 or Pin3~2))

JieJie products are not designed