

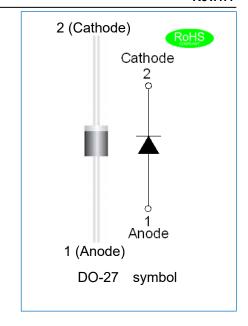
JIEJIE MICROELECTRONICS CO., LTD.

JEUR0406G2 EPI ULTRA FAST 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
- ♦ Ultra Fast recovery time and soft recovery characteristics
- ♦ Low recovery loss
- Applications for use in switching power supplies, inverters and as free wheeling diodes



MECHANICAL DATA

♦ Case: DO-27 molded plastic

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

→ Polarity: Color band denotes cathode end

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

Parameter	Symbol	JEUR0406G2	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	600	V
Maximum RMS voltage	V _{RMS}	420	V
Maximum DC blocking voltage	V _{DC}	600	V
Average forward current at T _A =40 ℃	I _{F(AV)}	4	Α
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	IFSM	110	А
Junction temperature and storage temperature range	T_{j} , T_{stg}	-55 to +150	$^{\circ}$

Parameter			Min.	Тур.	Max.	Unit
	I _F =3A,T _j =150℃		-	-	1.05	V
Forward voltage	I _F =3A,T _j =25℃	V _F	-	-	1.25	
	I _F =4A,T _j =25℃		-	-	1.28	
Poverse current	V _R =600V,T _j =25℃	I _R	-	-	5	μΑ
Reverse current	V _R =600V,T _j =150°C	IR	-	-	200	
Reverse recovery time	I _F =0.5A,I _R =1A, I _{REC} =0.25A	t _{rr}	1	-	50	ns
	I _F =1A,di/dt=50A/µs		-	-	75	
Peak reverse recovery current I _F =1A,di/dt=50A/μs		I _{RM}	-	1.7	-	Α

THERMAL RESISTANCES

Symbol	Parameter	Min.	Тур.	Max.	Unit
R _{th(j-a)}	Thermal resistance from junction to ambient free air	-	28	-	°C/W

MARKING



UR	Ultra Fast Recovery Rectifier
04	I _{F(AV)} =4A
06	V _{RRM} :600V

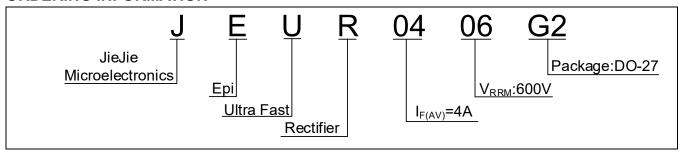
xH1: Month, 1/2/3~9/A/B/C

3<u>x</u>1:

2018	2019	2020	2021	2022	2023	2024
Н	I	J	K	L	М	N
2025	2026	2027	2028	2029	2030	
0	Р	Q	R	S	Т	

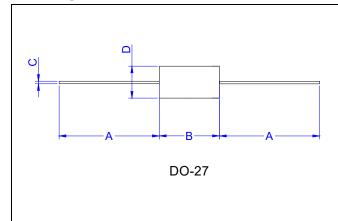
3Hx: Batch number

ORDERING INFORMATION





PACKAGE MECHANICAL DATA

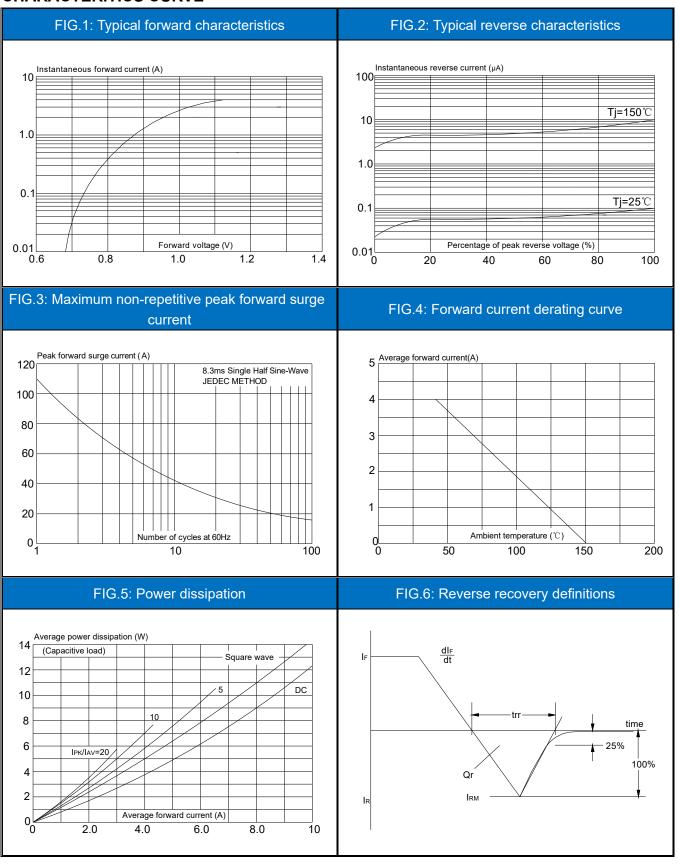


	Dimensions					
Ref.	Millimeters		Inc	hes		
	Min.	Max.	Min.	Max.		
Α	24.00	-	0.945	-		
В	8.50	9.50	0.335	0.375		
С	1.15	1.45	0.045	0.057		
D	4.90	5.50	0.193	0.217		

PACKAGE INFORMATION-DO-27

OUTLINE	UNIT WEIGHT	INNER BOX	PER CARTON
	(g/PCS) TYP	(PCS)	(PCS)
Bulk	1.142	1,000	10,000

CHARACTERITICS CURVE





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