JIEJIE MICROELECTRONICS CO., LTD.

JEER1606CCT EPI SUPERFAST SOFT RECOVERY RECTIFIER

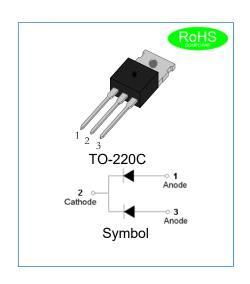
Rev.1.2

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
- ♦ Superfast recovery time and soft recovery characteristics
- ♦ Low recovery loss

MECHANICAL DATA

- ♦ Case: TO-220C molded plastic over passivated junction
- Terminals: Solder plated, solderable per J-STD-002
- ♦ Weight:2.08 gram



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

Parameter	Symbol	JEER1606CCT	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	600	V
Maximum DC blocking voltage	V _{DC}	600	V
Maximum average forward current at T _C =100 ℃	I _{F(AV)}	16	Α
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load(per diode)	IFSM	125	А
Junction temperature and storage temperature range	T_j, T_{stg}	-55 to +150	$^{\circ}$

ELECTRICAL CHARACTERISTICS(Rating at 25°C case temperature unless otherwise specified.)

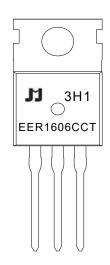
Parameter		Symbol	Min.	Тур.	Max.	Unit
Forward voltage I _F =8A,T _j =25°C		VF	-	-	1.7	V
Poverse current	V _R =600V,T _j =25℃	I_	-	-	5	μΑ
Reverse current	V _R =600V,T _j =150°C	I _R	-	-	200	
Reverse recovery time	I _F =0.5A,I _R =1A,Irr=0.25A	t _{rr}	-	-	35	ns

THERMAL RESISTANCES

Symbol	Parameter		Тур.	Max.	Unit
R _{th(j-c)}	Thermal resistance from junction to case	1	2.0	-	°C/W



MARKING



EER	EPI Superfast Recovery Rectifier		
16 I _{F(AV)} =16A			
06 VRRM:600V			
C Package:TO-220C			
CT Common cathode			

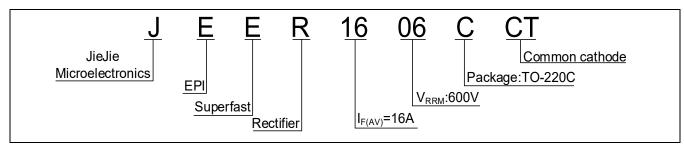
 $\underline{\mathbf{x}}$ H1: Month, 1, 2, 3 \sim 9, A, B, C

3<u>x</u>1:

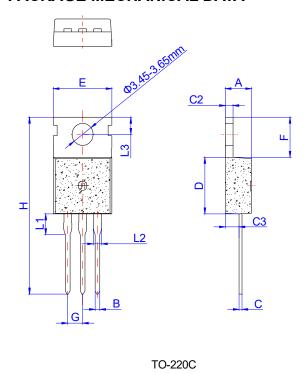
1							
	2018	2019	2020	2021	2022	2023	2024
	Н	I	J	K	L	М	Ν
	2025	2026	2027	2028	2029	2030	
	0	Р	Q	R	S	Т	

3Hx: Batch number

ORDERING INFORMATION



PACKAGE MECHANICAL DATA

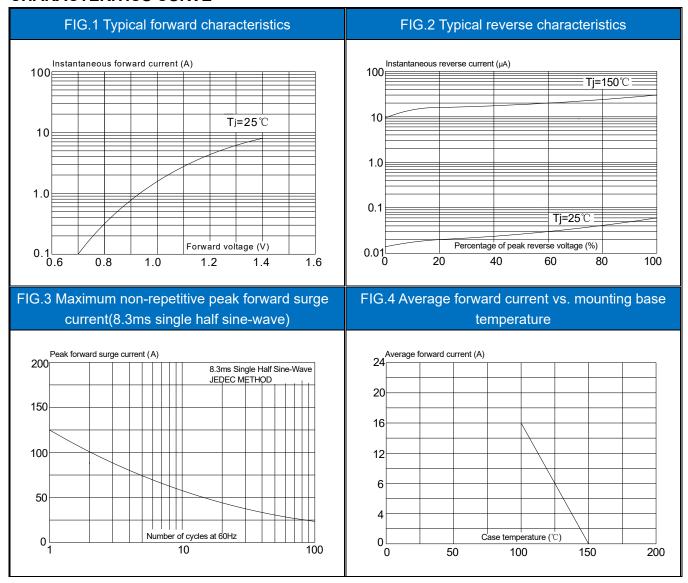


	Dimensions					
Ref.	Millimeters			Inches		
Min.		Тур.	Max.	Min.	Тур.	Max.
Α	4.40		4.60	0.173		0.181
В	0.70		0.90	0.028		0.035
С	0.45		0.60	0.018		0.024
C2	1.23		1.32	0.048		0.052
СЗ	2.20		2.60	0.087		0.102
D	8.90		9.90	0.350		0.390
Е	9.90		10.3	0.390		0.406
F	6.30		6.90	0.248		0.272
G		2.54			0.1	
Н	28.0		29.8	1.102		1.173
L1		3.39			0.133	
L2	1.14		1.70	0.045		0.067
L3	2.65		2.95	0.104		0.116
Ф		3.6			0.142	

PACKAGE INFORMATION-TO-220C

OUTLINE UNIT WEIGHT (g/PCS) typ.		TUBE (PCS)	PER CARTON (PCS)	
TUBE 2.08		50	5,000	

CHARACTERITICS CURVE





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