

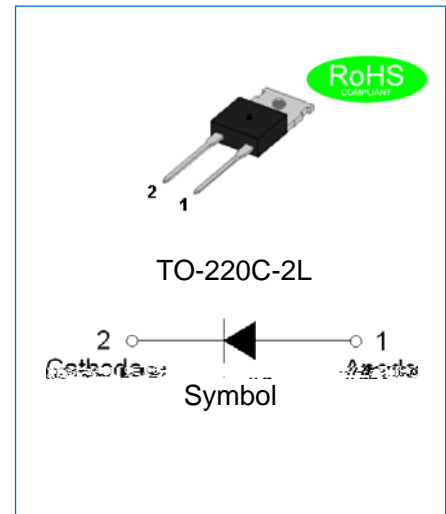


JEER0806CL EPI SUPERFAST SOFT RECOVERY RECTIFIER

Rev.1.6

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-2L molded plastic over passivated junction
- Terminals: Solder plated, solderable per J-STD-002
- Weight: 2 gram

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

Parameter	Symbol	JEER0806CL	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	600	V
Maximum DC blocking voltage	V_{DC}	600	V
Average forward current at $T_C=100$	$I_{F(AV)}$	8	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	125	A
Junction temperature and storage temperature range	T_j, T_{stg}	-55 to +150	

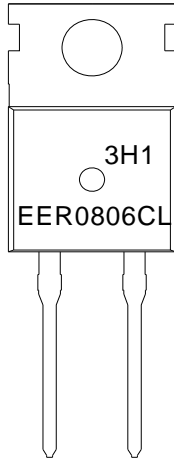
ELECTRICAL CHARACTERISTICS (Rating at 25 °C ambient temperature unless otherwise specified.)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward voltage	$I_F=8A$	-	-	1.7	V
Reverse current	$V_R=600V, T_j=25$	-	-	5	μA
	$V_R=600V, T_j=150$	-	-	200	
Reverse recovery time	$I_F=0.5A, I_R=1A, I_{rr}=0.25A$	-	-	35	ns

THERMAL RESISTANCES

Symbol	Parameter	Min.	Typ.	Max.	Unit
$R_{th(j-c)}$	Thermal resistance from junction to case	-	2	-	$/W$

MARKING



ORDERING INFORMATION

J	E	E	R	08	06	CL
JIEJIE Microelectronics	Epi Superfast	Rectifier		$I_{F(AV)}=8A$	$V_{RRM}=600V$	Package:TO-220C-2L

PACKAGE MECHANICAL DATA

