



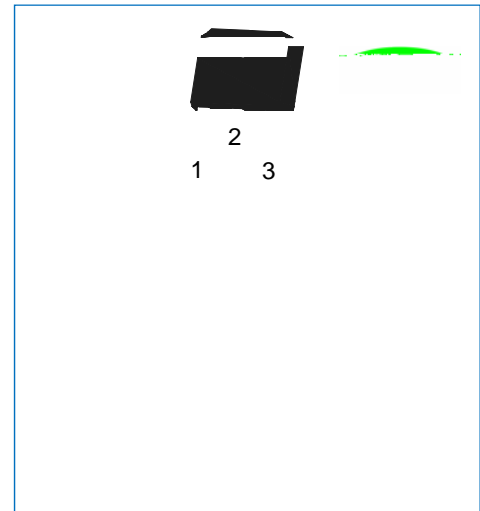
JEER0804K

EPI SUPERFAST RECOVERY RECTIFIER

Rev.1.5

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-252 molded plastic
- Terminals: Solder plated, solderable per J-STD-002
- Weight: 0.329 gram

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

Parameter	Symbol	JEER0804K	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	400	V
Maximum DC blocking voltage	V_{DC}	400	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	

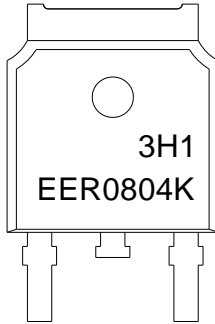
ELECTRICAL CHARACTERISTICS (Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	Min.	Typ.	Max.	Unit	
Forward voltage	$I_F=8A, T_j=25$	V_F	-	-	1.3	V
Reverse current	$V_R=400V, T_j=25$	I_R	-	-	5	μA
	$V_R=400V, T_j=150$		-	-	200	
Reverse recovery time	$I_F=0.5A, I_R=1.0A, I_{RR}=0.25A$	t_{rr}	-	-	35	ns

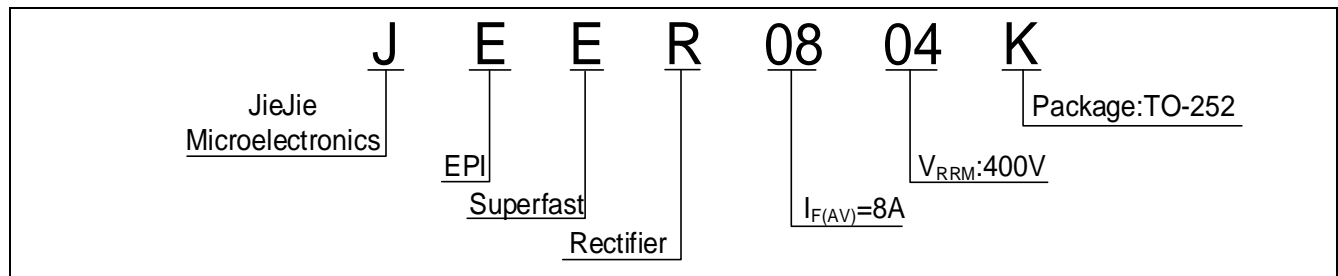
THERMAL RESISTANCES

Symbol	Parameter	Min.	Typ.	Max.	Unit
$R_{th(j-c)}$	Thermal resistance from junction to case	-	-	9	/W

MARKING



ORDERING INFORMATION



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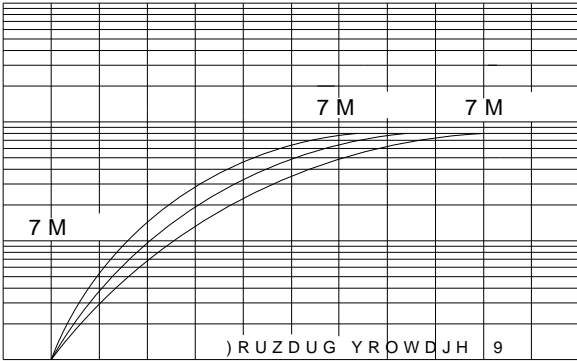
 -LH-LH 0LFURHOHFWURQL

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