

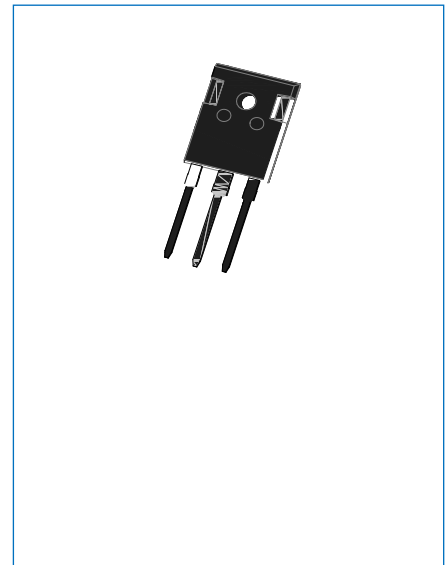


JEUR8004SCT
EPI ULTRAFAST SOFT RECOVERY RECTIFIER

Rev.1.3

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



		I_R	-	-	5	uA
	$V_R=400V, T_j=150$		-	-	400	

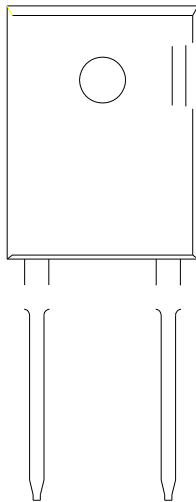
ELECTRICAL CHARACTERISTICS (Rating at 25 ambient temperature unless otherwise specified, continued.)

Parameter		Symbol	Min.	Typ.	Max.	Unit
Reverse recovery time	$I_F=1A, V_R=30V,$ $di_F/dt=200A/\mu s$	t_{rr}	-	22	-	ns
	$I_F=40A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$		-	52	-	
	$I_F=40A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=125$		-	71	-	
Reverse recovery current	$I_F=40A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=25$	I_{RM}	-	4.5	-	A
	$I_F=40A, V_R=200V,$ $di_F/dt=200A/\mu s, T_j=125$		-	9	-	

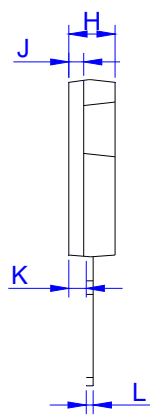
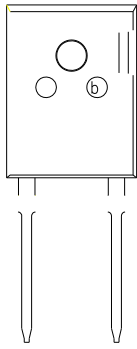
THERMAL RESISTANCES

Symbol	Parameter	Min.	Typ.	Max.	Unit
$R_{th(j-c)}$	Thermal resistance from junction to case	-	0.5	-	/W

MARKING



PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	15.50	15.80	16.10	0.610	0.622	0.634
B	20.80	21.00	21.20	0.819	0.827	0.835
C	19.70	20.00	20.30	0.776	0.787	0.799
D	1.80	2.00	2.20	0.071	0.079	0.087
E	1.90	2.10	2.30	0.075	0.083	0.091
F	1.00	1.20	1.40	0.039	0.047	0.055
G	5.25		5.65	0.207		0.222
H	4.80	5.00	5.20	0.189	0.197	0.205
J	1.90	2.00	2.10	0.075	0.079	0.083
K	2.20	2.35	2.50	0.087	0.093	0.098
L	0.41	0.60	0.79	0.016	0.024	0.031

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