

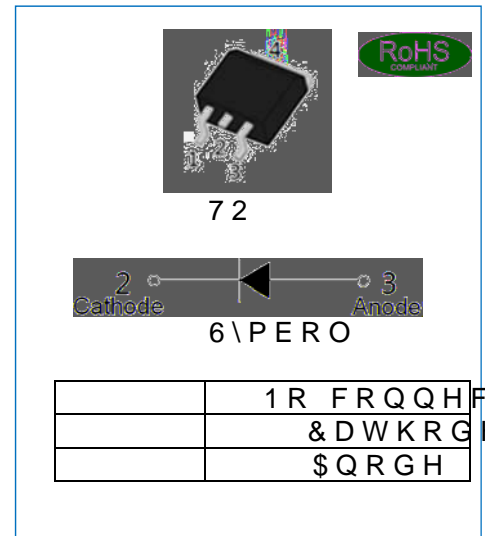


JECR1506E
EPI HYPERFAST RECOVERY RECTIFIER

Rev.1.8

DESCRIPTION

- ± Plastic package [e] under laboratory Zammability
- ± Š



MACHANICAL DATA

- ± Case . TO-263, molded plastic over passivated ^ junction
- ± Terminalc . Solder plated, solderable per J-STD-002
- ± Kai [\ t . 1.55 [ram

ABSOLUTE MAXIMUM RATING fl Rating [at 25 ambient temperature unless ot \ er k ise speci Z ied. Ľ

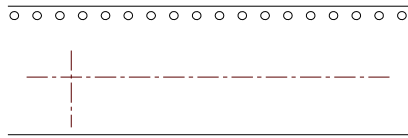
Parameter	Symbol	JECR1506E	Unit
Maximum repetitive peak reverse voltage [e	V_{RRM}	600	V
Maximum DC blocking voltage [e	DC V	600	V
Average forward current at 125	I_{FAV}	15	A
Peak forward surge current in [le \ al Z sine- k ave superimposed on rated load	I_{FSM}	200	A
Peak forward surge current in [le \ al Z sine- k ave superimposed on rated load		180	
Junction temperature and storage temperature range [e	T_{st}	-55 to 150	

ELECTRICAL CHARACTERISTICS fl Ratin [at 25 ambient temperature unks ot \ er k ise speci Z ied. ĺ

Parameter		Symbol	Min.	Typ.	Max.	Unit
Forward voltage [e	$I_F 1 15A, T_1 25$	V_F	-	2.6	3.2	V
	$I_F 1 15A, T_1 150$		-	1.5	2	
Reverse current	$V_R 1 600V, T_1 25$	$I_R 1..$				

MARKING

TAPE AND REEL SPECIFICATION-TO-263



Re Z.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
K	23. + 0	2 (.00	2 (.30	0. - 33	0. - (5	0. - 5 +
E	1.65	1. + 5	1.85	0.065	0.06 -	0.0 + 3
F	11. (0	11.50	11.60	0. ((-	0. (53	0. (5 +
D0	-	1.50	1.60	-	0.05 -	0.063
D1	-	1.50	1.60	-	0.05 -	0.063
P0	3. - 0	(.00	(.10	0.15 (0.15 +	0.161
P1	15. - 0	16.00	16.10	0.626	0.630	0.63 (
P2	1. - 0	2.00	2.10	0.0 + 5	0.0 + -	0.083
A0	10.80	10. - 0	11.00	0. (25	0. (2 -	0. (33
B0	16.20	16.30	16. (0	0.638	0.6 (2	0.6 (6
K0	(.80	(. - 0	5.00	0.18 -	0.1 - 3	0.1 - +
t	0.35	0. (0	0. (5	0.01 (0.016	0.018


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