



JEUR1606ECT EPI ULTRAFast RECOVERY RECTIFIER

Rev.1.8

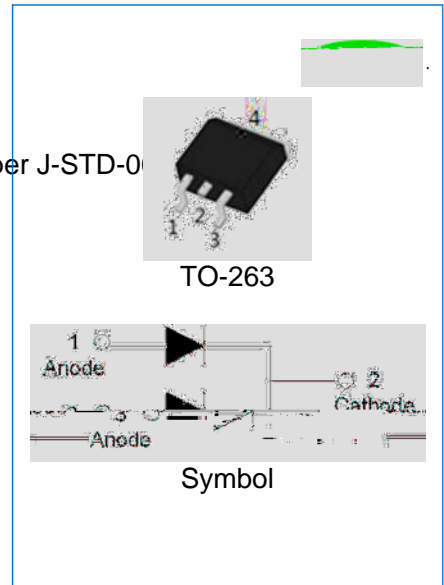
DESCRIPTION

Plastic package has underwriters laboratory flammability

classification 94V-0

Lead free in comply with) μ Terminals: Solder plated, solderable per J-STD-0

Weight:1.55 gram



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

Parameter	Symbol	JEUR1606ECT	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	600	V
Maximum DC blocking voltage	V_{DC}	600	V
Average forward current at $T_C=125$	$I_{F(AV)}$	16	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load(per diode)	I_{FSM}	100	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	V_F	-	-	1.5	V
				1.2	
Reverse current	I_R	-	-	5	μA
				200	
Reverse recovery time	t_{rr}	-	-	60	ns
				50	

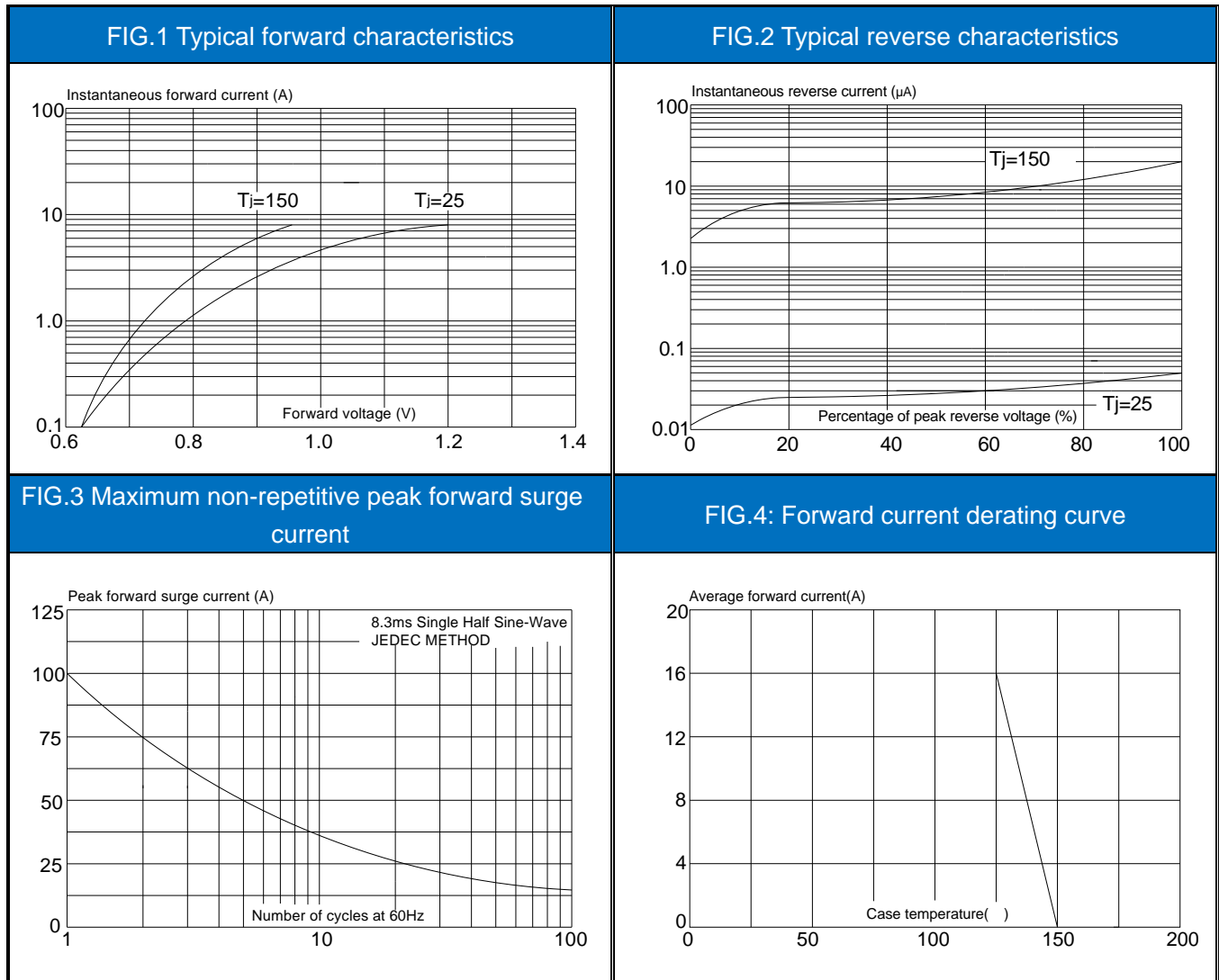


THERMAL RESISTANCES

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



CHARACTERISTICS CURVE





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