

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	JEUR1506CL	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	600	V
Maximum DC blocking voltage	V_{DC}	600	V
Average forward current at $T_C=120$	$I_{F(AV)}$	15	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	180	A
Junction temperature and storage temperature range	T_j, T_{stg}	-55 to +150	

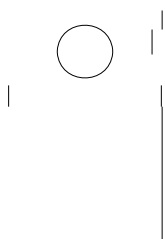
ELECTRICAL CHARACTERISTICS (Rating at 25 °C ambient temperature unless otherwise specified.)

Parameter		Symbol	Min.	Typ.	Max.	Unit
Forward voltage	$I_F=15A$	V_F	-	-	1.5	V
Reverse current	$V_R=600V, T_j=25$	I_R	-	-	5	uA
	$V_R=600V, T_j=150$		-	-	300	
Reverse recovery time	$I_F=0.5A, I_R=1.0A,$ $I_{RR}=0.25A$	t_{rr}	-	-	50	ns

THERMAL RESISTANCES

Symbol	Parameter	Min.	Typ.	Max.	Unit
$R_{th(j-c)}$	Thermal resistance from junction to case	-	2.5	-	/W

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