



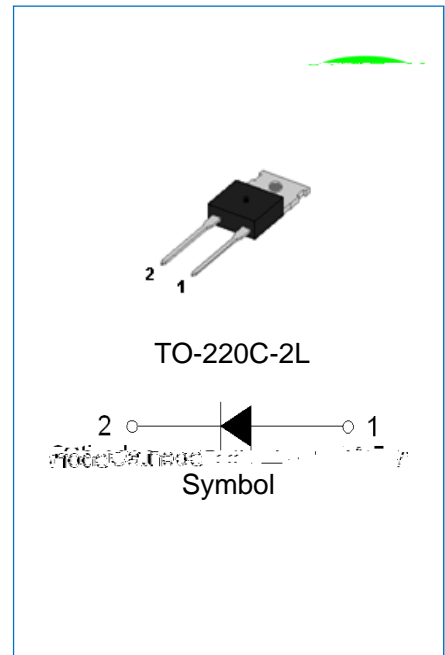
JPCR0812CL

EPI PLANAR HYPERFAST SOFT RECOVERY RECTIFIER

Rev.1.1

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
- Hyperfast recovery time
- Low recovery loss
- Epitaxial planar technology
- 5th Generation soft fast recovery characteristics
- Output rectifiers in high-frequency switched-mode power supplies



MECHANICAL DATA

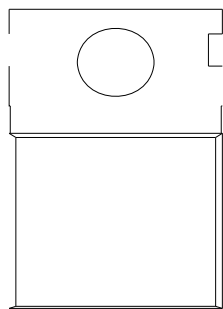
- Case: TO-220C-2L molded plastic over passivated junction
- Terminals: Solder plated, solderable per J-STD-002
- Weight: 2 gram

ABSOLUTE MAXIMUM RAT

		JPCR0812CL	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	1200	V
Maximum DC blocking voltage	V_{DC}	1200	V
Average forward current at $T_C=130$	$I_{F(AV)}$	8	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load	I_{FSM}	80	A
Junction temperature and storage temperature range	T_j, T_{stg}	-55 to +175	

TEL hr/ % V % f

MARKING



PACKAGE MECHANICAL DATA



CHARACTERISTICS CURVE

FIG.1: Typical forward characteristics

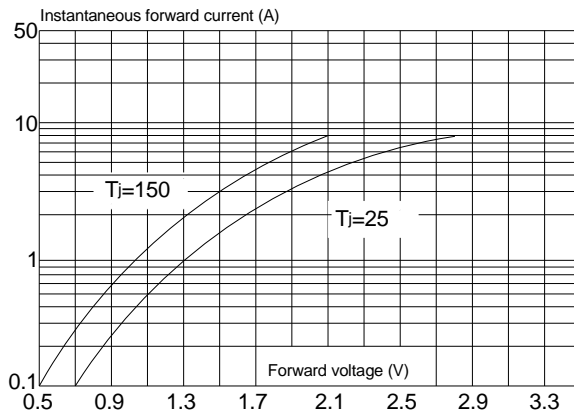
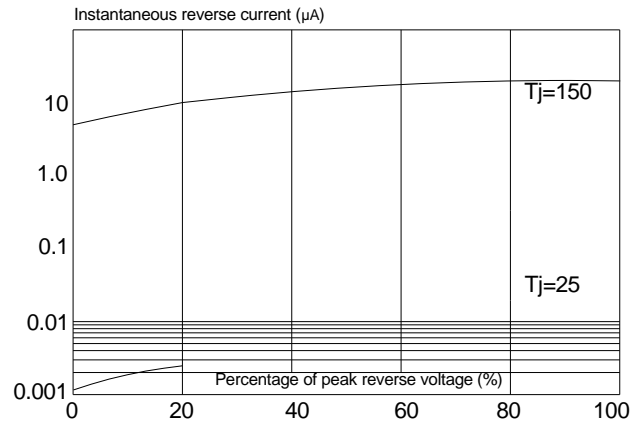


FIG.2: Typical reverse characteristics




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