



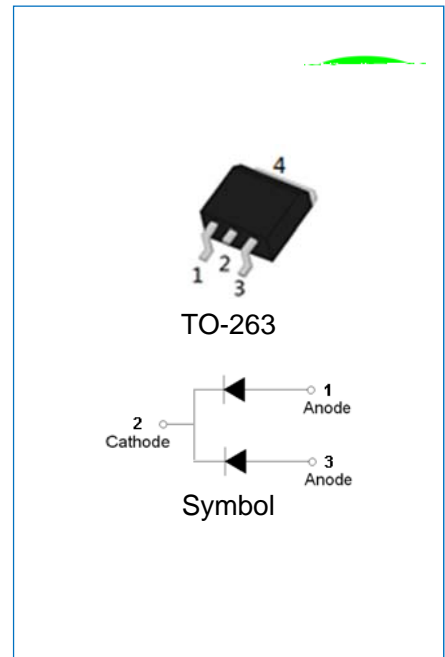
JPCR1002ECT

EPI PLANAR HYPERFAST SOFT RECOVERY RECTIFIER

Rev.1.2

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
- ✧ -μ Terminals: Solder plated, solderable per J-STD-002
- ✧ Weight: 1.55 gram



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

Parameter	Symbol	JPCR1002ECT	Unit
Maximum repetitive peak reverse voltage (Pin1~2 or Pin3~2)	V_{RRM}	200	V
Maximum DC blocking voltage(Pin1~2 or Pin3~2)	V_{DC}	200	V
Average forward current at $T_C=150$ (Pin1,3~2)	$I_{F(AV)}$	10	A
Peak forward surge current: 10ms single half sine-wave superimposed on rated load(Pin1~2 or Pin3~2)	I_{FSM}	50	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load(Pin1~2 or Pin3~2)	I_{FSM}	55	A
Junction temperature and storage temperature range	T_j, T_{stg}	-55 to +175	



PACKAGE INFORMATION-TO-263

PART No.	UNIT WEIGHT (g/PCS) TYP	TUBE (PCS)	PER CARTON (PCS)
JPCR1002ECT	1.55	50	5,000
PART No.	UNIT WEIGHT (g/PCS) TYP	REEL (PCS)	PER CARTON (PCS)
JPCR1002ECT-R	1.55	800	4,000

CHARACTERISTICS CURVE

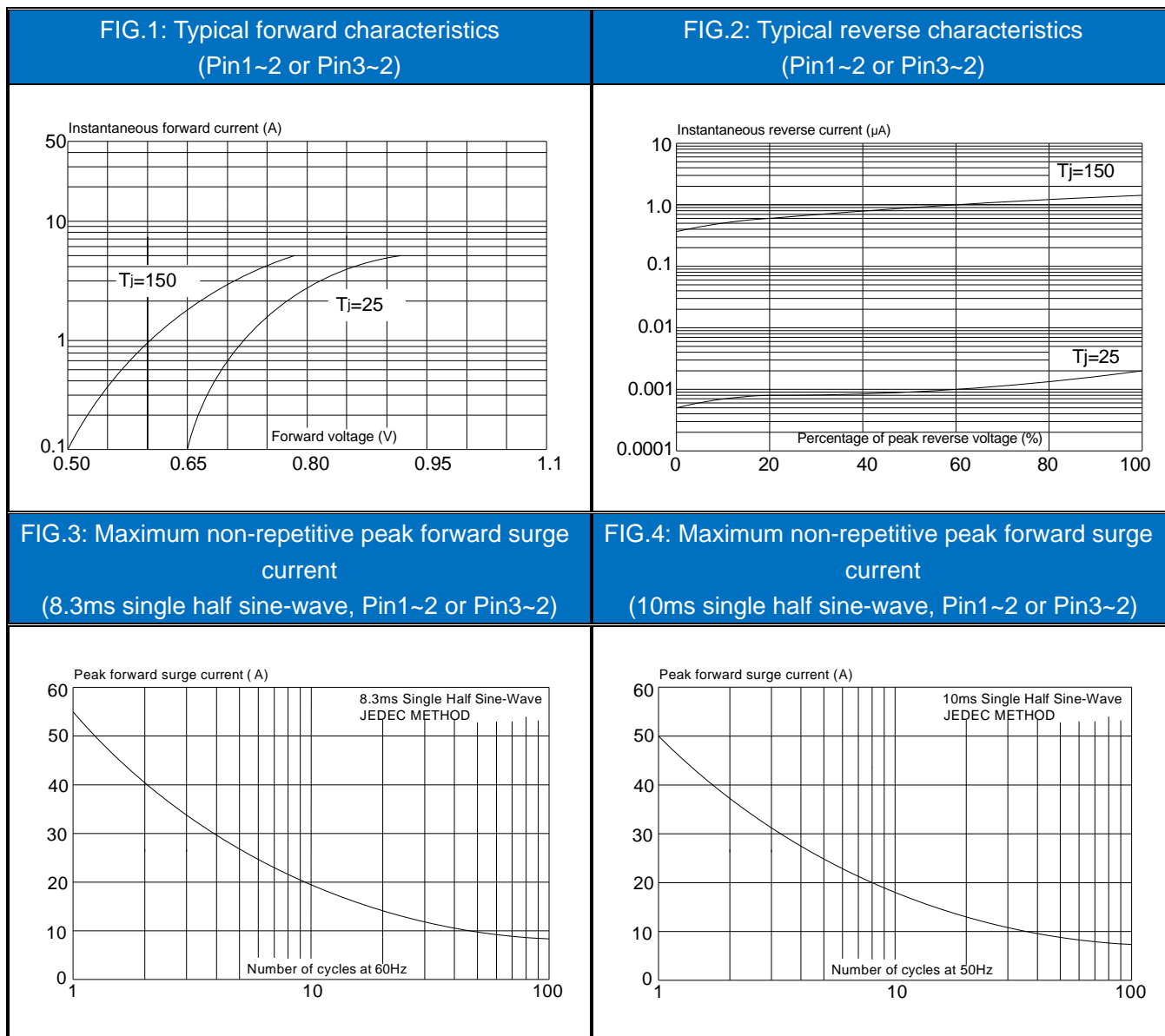


FIG.5 Forward current derating curve (Pin1,3~2)

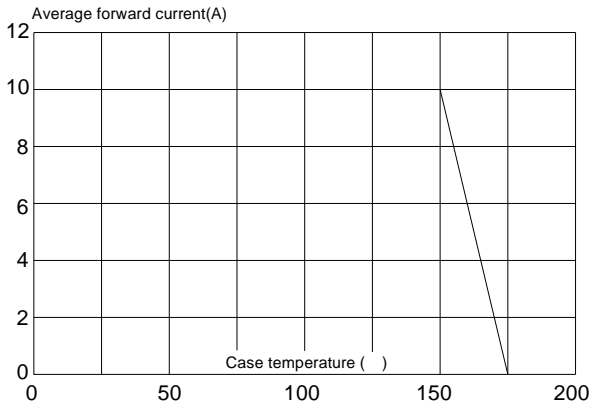


FIG.6 Reverse recovery definitions

