

- Plastic package has underwriters laboratories flammability classification 94V-0
- Glass passivated junction
- Lead free in compliance with EU RoHS 2011/65/EU directives
- Low forward voltage

## MECHANICAL DATA

- Case: TO-220FP-2L, molded plastic over passivated junction
- Terminals: Solder plated, solderable per J-STD-002
- Weight: 1.67gram

## ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

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

Parameter	Symbol	LF1006FPL	LF1008FPL	Unit
Maximum repetitive peak reverse voltage	$V_{RRM}$	600	800	V
Maximum RMS voltage	$V_{RMS}$	420	560	V
Maximum DC blocking voltage	$V_{DC}$			



CHARACTERISTICS CURVE

FIG.1: Typical forward characteristics(25 )

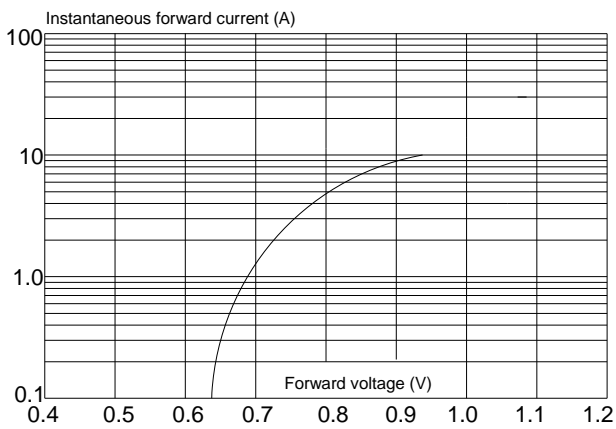


FIG.2: Typical reverse characteristics

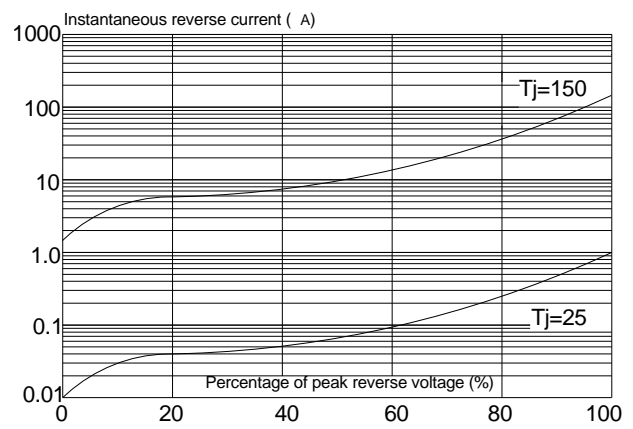


FIG.3: Maximum non-repetitive peak forward surge current

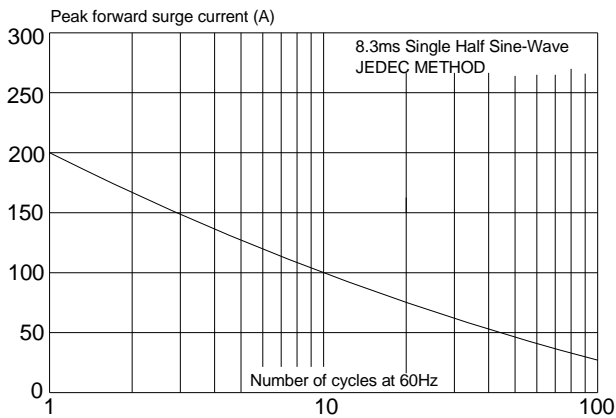


FIG.4: Forward current derating curve

