

ESJC37-12F 300mA 12kV 80nS

RoHS Fast Recovery High Voltage Silicon Rectifier Diode

INTRODUCE:

HVGT high voltage silicon rectifier diodes is made of high quality silicon wafer chip and high reliability epoxy resin sealing structure, and through professional testing equipment inspection qualified after to customers.

FEATURES:

- 1. Fast switching.
- 2. High reliability.
- 3. High current capability.
- 4. Conform to RoHS and SGS.
- 5. Epoxy resin molded in vacuumHave

anticorrosion in the surface.

APPLICATIONS:

- 1. Rectifier for high voltage power supply.
- 2. General purpose high voltage rectifier.
- 3. Rectification for X-ray generator high voltage power supply.

MECHANICAL DATA:

- 1. Case: epoxy resin molding.
- 2. Terminal: welding axis.
- 3. Net weight: 0.65 grams (approx).

DO-415 Series

Dimension in millimeters

MAXIMUM RATINGS AND CHARACTERISTICS: (Absolute Maximum Ratings)

Items	Symbols	Condition	Data Value	Units
Repetitive Peak Renerse Voltage	Vrrm	Ta=25°C	12	kV
Non-Repetitive Peak Renerse Voltage	Vrsm	Ta=25°C		kV
Average Forward Current Maximum	IFAVM	Ta=40°C	170	mA
		Toll=55°C	300	mA
Non-Repetitive Forward Surge Current	IFSM	Ta=25°C; 60Hz Half-Sine Wave; 8.3mS	15	А
Junction Temperature	TJ		125	°C
Allowable Operation Case Temperature	Tc		-40~ +125	°C
Storage Temperature	Тѕтв		-40~ +150	°C

ELECTRICAL CHARACTERISTICS: TA=25°C (Unless Otherwise Specified)

Items	Symbols	Condition	Data value	Units		
Maximum Forward Voltage Drop	V _{FM}	at 25°C; at 100mA	30	V		
Maximum Reverse Current	I _{R1}	at 25°C; at V _{RRM}	2.0	uA		
	I _{R2}	at 100°C; at V _{RRM}	10	uA		
Maximum Reverse Recovery Time	T _{RR}	at 25°C; F=0.5 R; R= FAVM; RR=0.25 R	80	nS		
Junction Capacitance	Сл	at 25°C; V _R =0V; f=1MHz	4.6	pF		

http://www.lgesemi.com

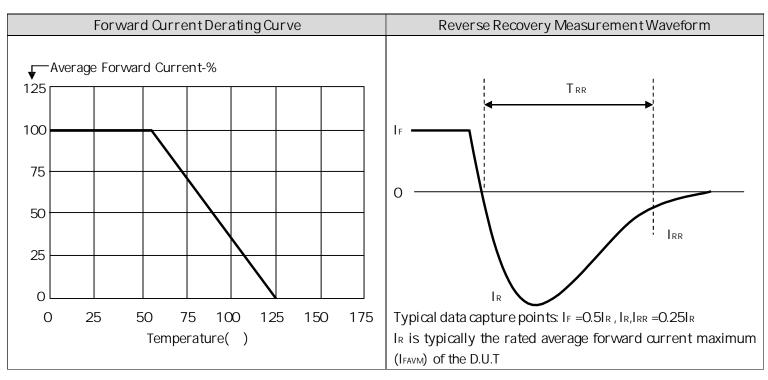
Revision: 20210525-P1 mail: Ige@ Igesemi.com

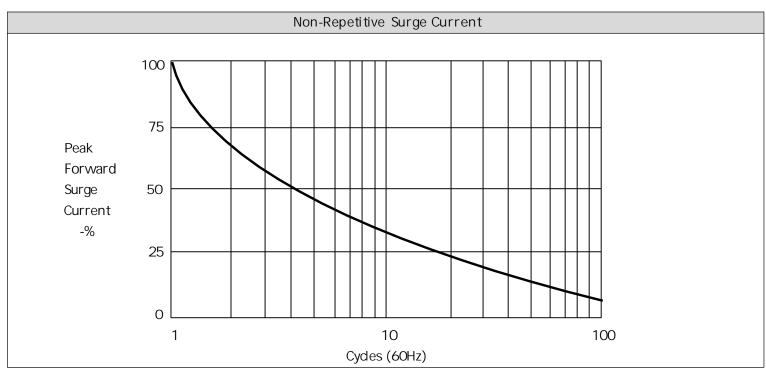


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	Туре	Code	Cathode Mark
Marking	ESJC37-12F	ESJC37-12F LGE	

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Revision: 20210525-P2 mail: Ige@ Igesemi.com