

SUPER FAST DIODE MODULE TYPE 60A

Features

High Surge Capability
Type 200V VRRM
Isolation Type Package
Electrically Isolation base plate

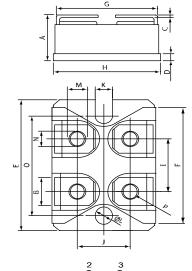


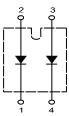
Maximum Ratings

Operating Temperature : -55 °C to +175 °C Storage Temperature : -55 °C to +175 °C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GSXF030A020S1-D3	200V	140V	200V

SOT-227



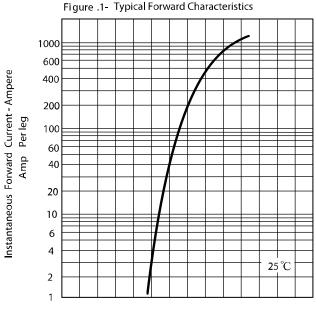


Average Forward Current (Per pl	(g) IF(AV)	60 A	Tc=125℃
Peak Forward Surge Current (Per le	g) IFSM	400 A	8.3 ms,half sine
Maximum Instantaneous Forward Voltage* (Per le	\/F	1.0 V	IFM=30A;TJ=25℃
Maximum Instantaneous Reverse Current At Rated DC Blocking Voltage (Per le	lR	25 uA 3 mA	TJ=25℃ TJ=150℃
Maximum Reverse Recovery Time (Per leg	J) Trr	60 ns	IF=0.5A, IR=1.0A IRR=0.25A
Isolation Voltage	Viso	2500 V	A.C. 1 minute
Maximum Thermal Resistance Junction To Case (Per leg	Rθjc	1.2 ℃/W	

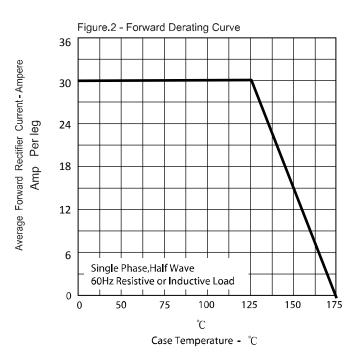
^{*} Pulse Test: Pulse Width 300 μ sec, Duty<2%

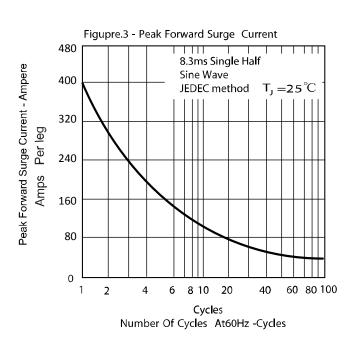
DIMENSIONS INCHES MM	XA
INCHES MM	¥Δ
DIW I . I .	ΥΔ
	~~
A .500 .519 12.70 13	.20
B .307 .322 7.80 8	.20
C 029 033 75	.84
D .077 .082 1.95 2	.10
E 1.487 1.502 37.80 38	.20
F 1.250 1.258 31.75 32	.00
G .931 .956 23.65 24	.30
H .996 1.007 25.30 25	.60
I .586 .594 14.90 15	.10
J 492 516 12.50 13	.10
K 161 169 4.10 4	.30
L 161 169 4.10 4	.30
M 181 191 4.60 4	.95
N 165 177 4.20 4	.50
O 1.184 1.192 30.10 30	.30
P M4*8	

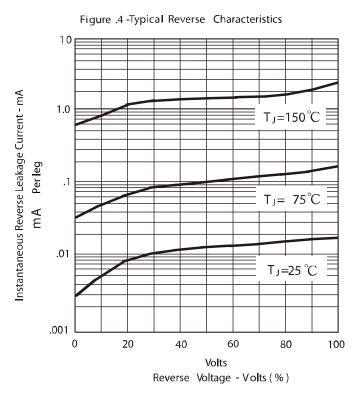














Data Sheet GSXF030A020S1-D3

Revision History

Date	Revision	Notes
8/10/2014	1.0	Initial release
01/03/2020	1.1	Applied company name change

Notes

RoHS Compliance

The levels of RoHS restricted materials in this product are below the maximum concentration values (also referred to as the threshold limits) permitted for such substances, or are used in an exempted application, in accordance with EU Directive 2011/65/EC (RoHS2), as implemented March, 2013. RoHS Declarations for this product can be obtained from the Product Documentation sections of www.SemiQ.com.

REACh Compliance

REACh substances of high concern (SVHC) information is available for this product. Since the European Chemicals Agency (ECHA) has published notice of their intent to frequently revise the SVHC listing for the foreseeable future, please contact our office at SemiQ Headquarters in Lake Forest, California to insure you get the most up-to-date REACh SVHC Declaration. REACh banned substance information (REACh Article 67) is also available upon request.

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