

SCHOTTKY DIODE MODULE TYPE 240A

Features

High Surge Capability Type 45V VRRM Isolation Type Package Electrically Isolation base plate



Tc=110 ℃

TJ=150℃

Maximum Ratings

Operating Temperature : -40 °C to +150 °C Storage Temperature : -40 °C to +150 °C

Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
GSXD120A004S1-D3 45V		32V	45V

Electrical Characteristics @ 25 °C Unless Otherwise Specified.

240A

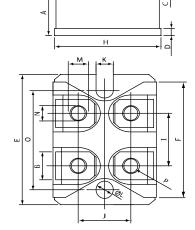
30 mA

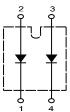
0.38°C/W

IF(AV)

(Per pkg)







Peak Forward Surge 1500A 8.3 ms, half sine **I**FSM Current (Per leg) 0.64V IFM=120A;TJ=125℃ Maximum Instantaneous VF Forward Voltage (Per leg) 0.70V IFM=120A;TJ= 25℃ Maximum NOTE(1) TJ=25℃ Instantaneous 1 mA Reverse Current At 10 mA TJ=100℃ ΙR

Voltage	(Per leg)			
Isolation Voltage		Viso	2500V	A.C. 1 minute
Maximum Thermal				

Rθjc

NOTE:

To Case

Average Forward

Rated DC Blocking

Resistance Junction

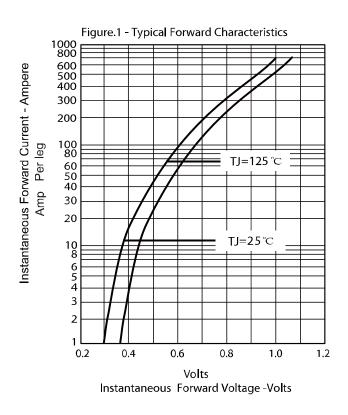
Current

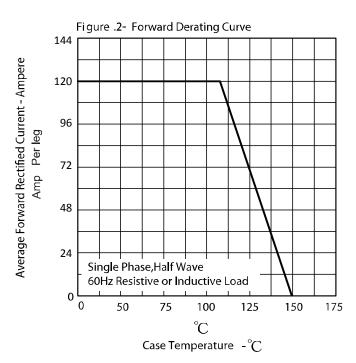
(1) Pulse Test: Pulse Width 300 μ sec, Duty<2%

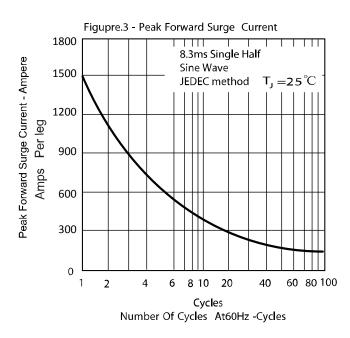
(Per leg)

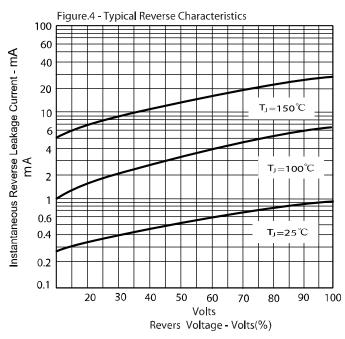
DIMENSIONS					
DIM	INCHES		MM		
	MIN	MXA	MIN	MXA	
Α	.500	.519	12.70	13.20	
В	.307	.322	7.80	8.20	
С	.029	.033	.75	.84	
D	.077	.082	1.95	2.10	
E	1.487	1.502	37.80	38.20	
F	1.250	1.258	31.75	32.00	
G	.931	.956	23.65	24.30	
Н	.996	1.007	25.30	25.60	
I	.586	.594	14.90	15.10	
J	.492	.516	12.50	13.10	
K	.161	.169	4.10	4.30	
L	.161	.169	4.10	4.30	
М	.181	.191	4.60	4.95	
N	.165	.177	4.20	4.50	
0	1.184	1.192	30.10	30.30	
Р	M4*8				













Data Sheet GSXD120A004S1-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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