

DB102S THRU DB107S

Bridge rectifier

Essential information; basic information

Features

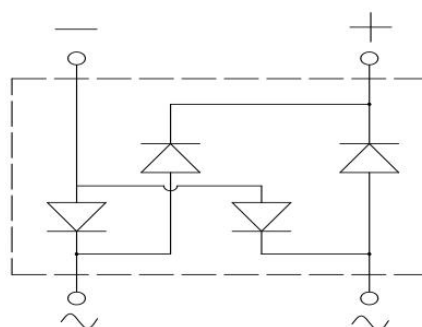
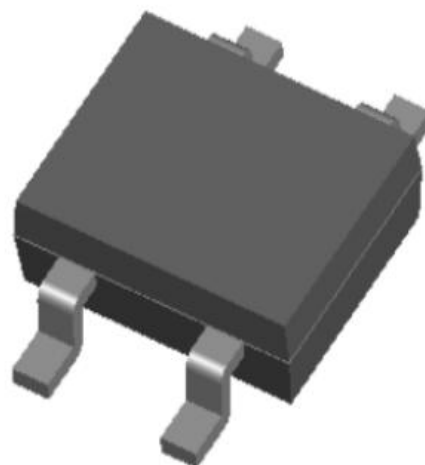
- Ideal for automated placement
- High surge current capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

Typical Applications

General purpose use in AC/DC bridge full wave rectification for SMPS, lighting ballast, adapter, battery charger, home appliances, office equipment, and telecommunication applications.

Mechanical Data

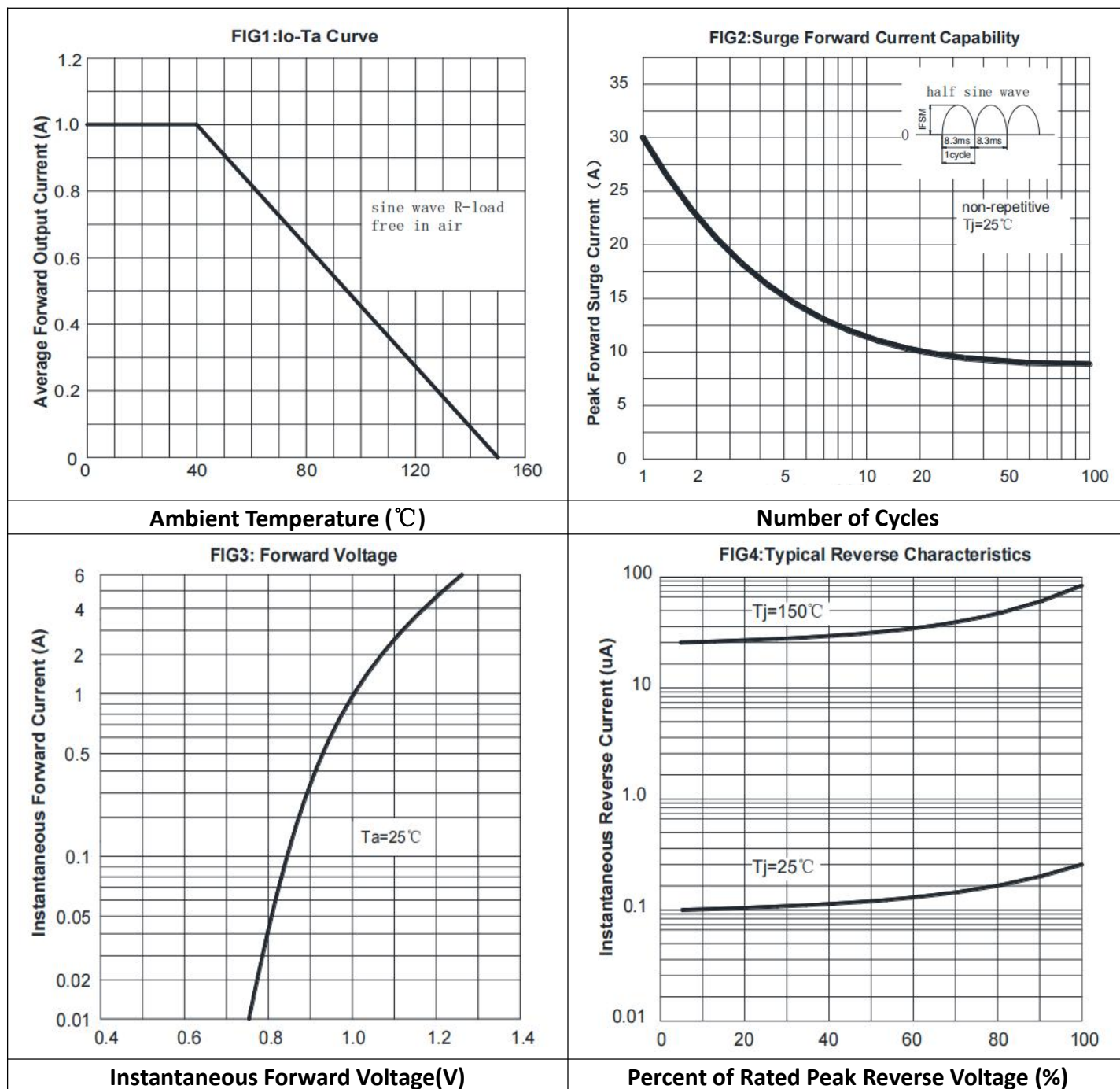
- Package: DBS
- Molding compound meets UL 94 V-0 flammability rating,
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
 - Polarity: As marked on body



Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	DB102S	DB104S	DB105S	DB106S	DB107S
Maximum Repetitive peak reverse voltage	VRRM	V	200	400	600	800	1000
Average rectified output current @60Hz sine wave, resistance load, TL (Fig.1)	IO	A	1.0				
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle,	IFSM (Tj=25°C)	A	30				
Storage temperature	Tstg	°C	-55 ~ +150				
Junction temperature	Tj	°C	-55 ~ +150				
Maximum instantaneous forward voltage drop per diode	VF (IFM=0.5A)	V	1.05				
Maximum DC reverse current at rated DC blocking voltage per diode	IR (Tj =25°C)	μ A	5				

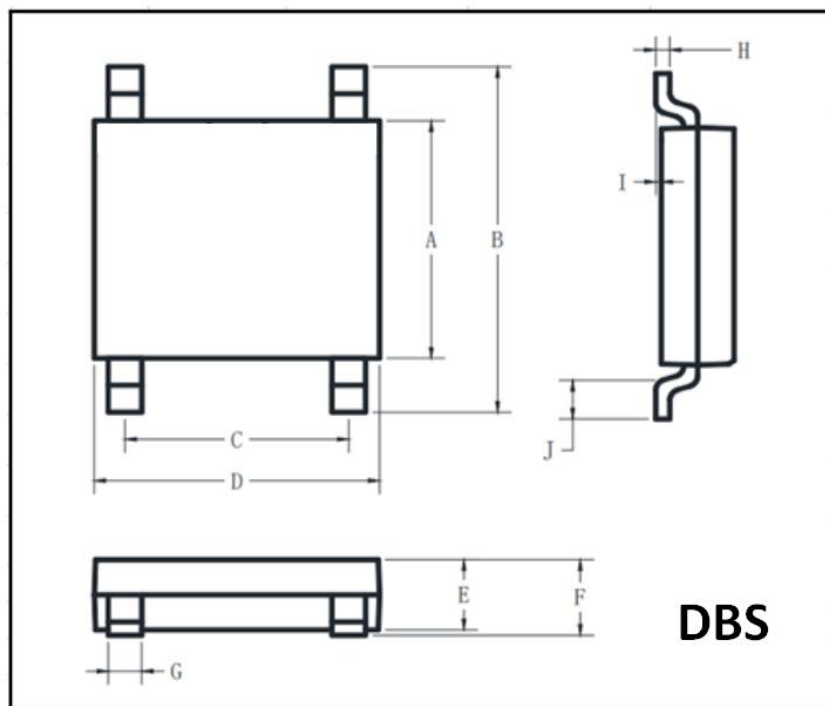
Characteristics (Typical)



Ordering Information (Example)

type specification	manner of packin	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
DB102S-DB107S	T/B	1500	3000	30000	13" reel

Outline Dimensions



DBS (mm)		
Dim	Min	Max
A	6.1	6.5
B	9.5	9.8
C	4.95	5.15
D	8.05	8.5
E	2.2	2.5
F	2.25	2.55
G	0.95	1.2
H	0.15	0.25
I	0.2Max	
J	0.6	1.1

Disclaimer

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