

GSDSK3xxBF Series

Schottky Diode

Product Description

Reverse Voltage 40V to 200V.
Forward Current 3.0A

Features

- Low Forward Voltage

Mechanical Data

- SMB (DO-214AA) Package
- The Color Band denotes Cathode End
- RoHS Compliant and Halogen Free

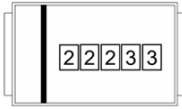
Package and Pin Assignment

SMB (DO-214AA)		Equivalent Circuit	
			
Pin	Description	Pin	Description
1	Anode	2	Cathode

Ordering and Marking Information

Ordering Information			
Part Number	Marking Code	Package	Quantity/Reel
GSDSK34BF	SK34/SS34	SMB (DO-214AA)	3,000 PCS
GSDSK36BF	SK36/SS36		
GSDSK310BF	SK310/SS310		
GSDSK315BF	SK315/SS315		
GSDSK320BF	SK320/SS320		
GSDSK3 1 1 B F			
- Product Code: GSDSK3		- Voltage Code: 1 1 is 4, 6, 10, 15 and 20. For examples 4 stands for 40V and 20 stands for 200V	
- Green Level: F for RoHS Compliant and Halogen Free		- Package Code: B for SMB Package	

Marking Information



- Product Code:

2 2 2 is SK3 or SS3

- Voltage Code:

3 3 is 4, 6, 10, 15 and 20.

For examples 4 stands for 40V
and 20 stands for 200V

- The color band denotes cathode end

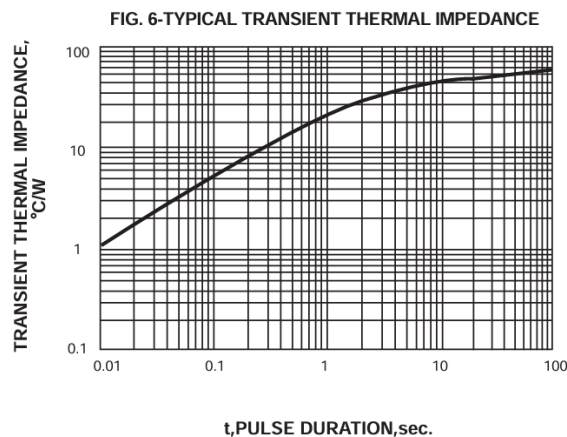
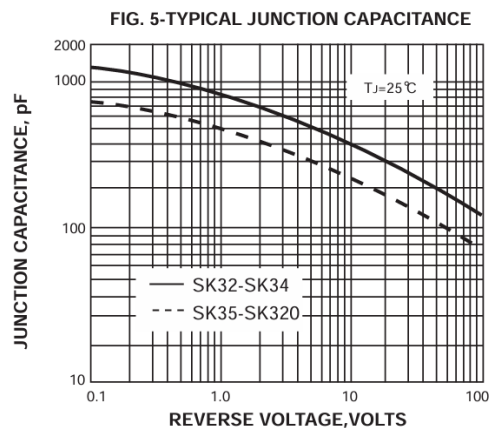
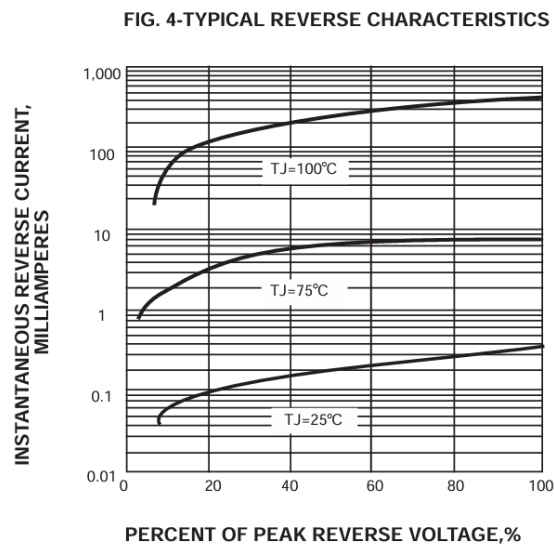
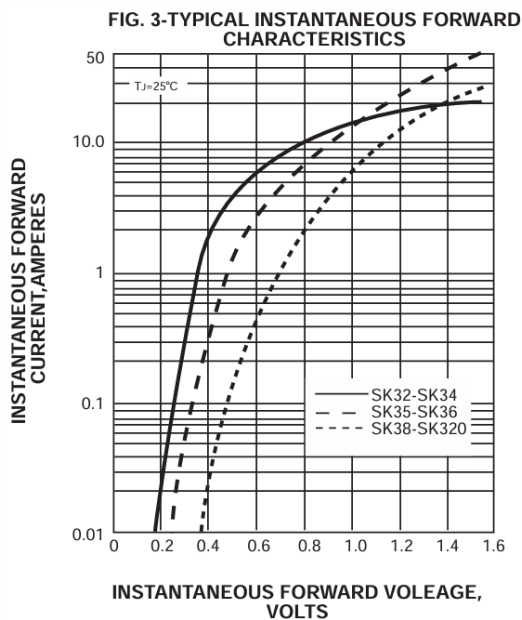
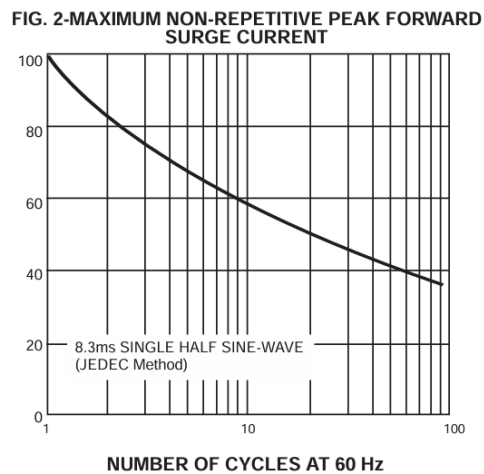
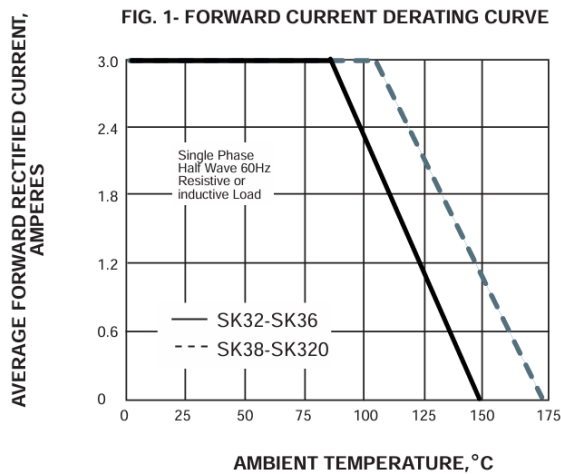
Electrical Characteristics (T_A=25°C unless otherwise specified)

Symbol	Description	34BF	36BF	310BF	315BF	320BF	Unit
V _{RRM}	Maximum Repetitive Peak Reverse Voltage	40	60	100	150	200	V
V _{RMS}	Maximum RMS Voltage	28	42	70	105	140	V
V _{DC}	Maximum DC Blocking Voltage	40	60	100	150	200	V
I _(AV)	Maximum Average Forward Rectified Current	3.0					A
I _{FSM}	Peak Forward Surge Current, 8.3ms Single Half-Sine-Wave Superimposed on rated Load (JEDEC Method)	80					A
V _F	Maximum Forward Voltage at 3.0A	0.55	0.70	0.85	0.95		V
I _R	Maximum Reverse Current at Rated DC Blocking Voltage T _A =25°C	0.5					mA
	T _A =100°C	20	10				
C _J	Typical Junction Capacitance ⁽¹⁾	500	300				pF
R _{θJA}	Typical Thermal Resistance ¹	55					°C/W
T _J	Junction Temperature Range	-55 to 150					°C
T _{STG}	Storage Temperature Range	-55 to 150					°C

NOTE:

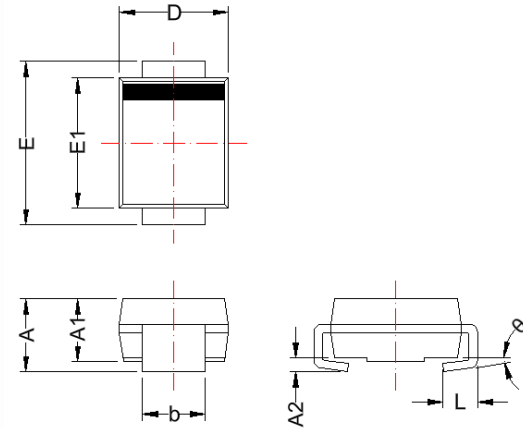
1. Measured at 1MHz and applied reverse voltage of 5.0 V_{DC}.
2. Mounted with 0.4 x 0.4" (10.0 x 10.0mm) Copper Pad Areas

Typical Characteristics (T_A=25°C unless otherwise specified)

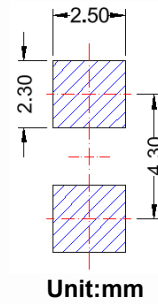


SMB (DO-214AA)

Package Dimension



Recommended Land Pattern



Dimensions				
SYMBOL	Millimeters		Inches	
	MIN	MAX	MIN	MAX
A	1.90	2.70	0.075	0.106
A1	1.60	---	0.063	---
A2	0.00	0.30	0.000	0.012
b	1.80	2.30	0.071	0.091
D	3.20	4.00	0.126	0.157
E	5.00	6.00	0.197	0.236
E1	4.00	4.90	0.157	0.193
L	0.75	1.60	0.030	0.063
θ	0°	8°	0°	8°

NOTE:

Dimensions are exclusive of Burrs, Mold Flash & Tie Bar extrusions.

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