

GDB5819HWS

Surface Mount Schottky Rectifier

Features

- Low forward voltage drop
- High conductance
- Lead free
- SMD package
- Ideal for low voltage rectification, DC/DC converter



SOD-323

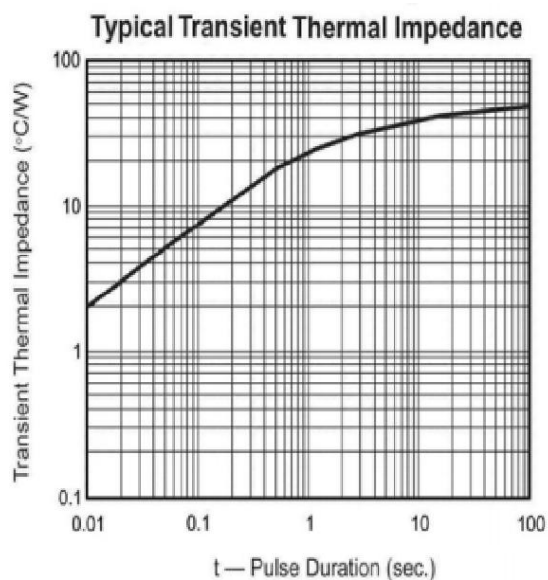
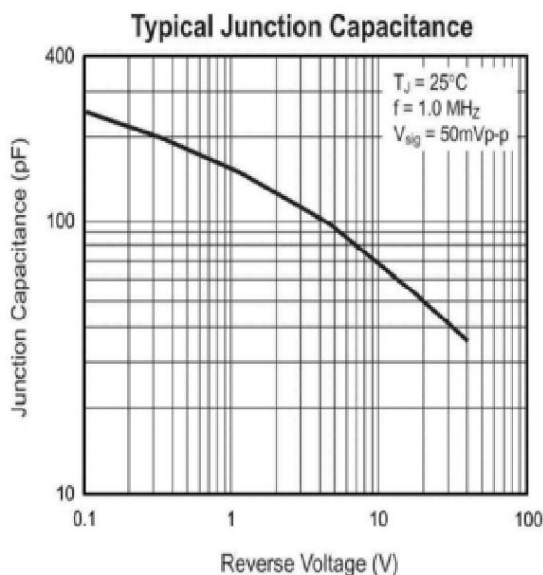
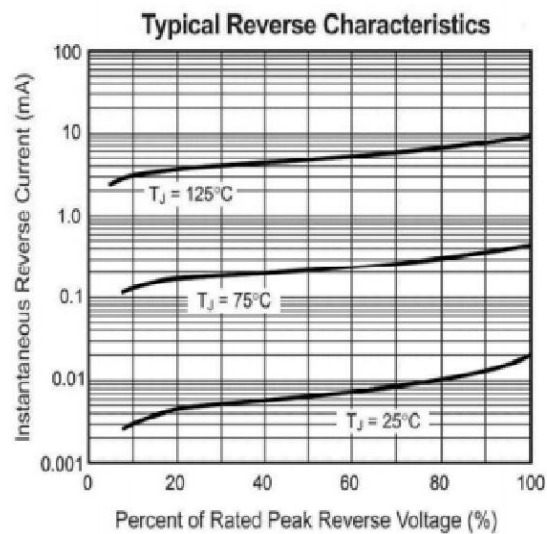
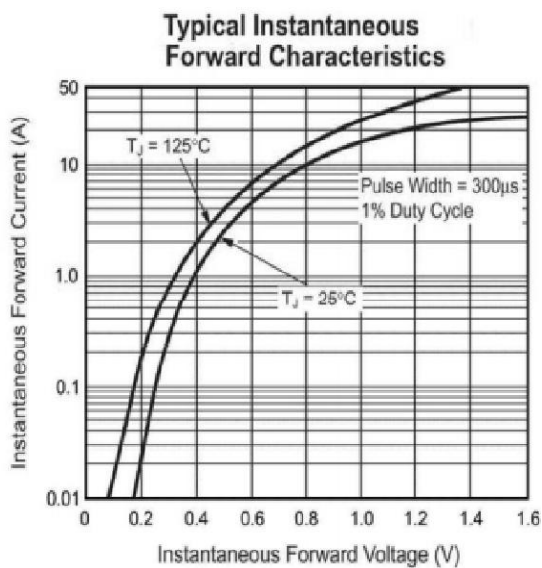
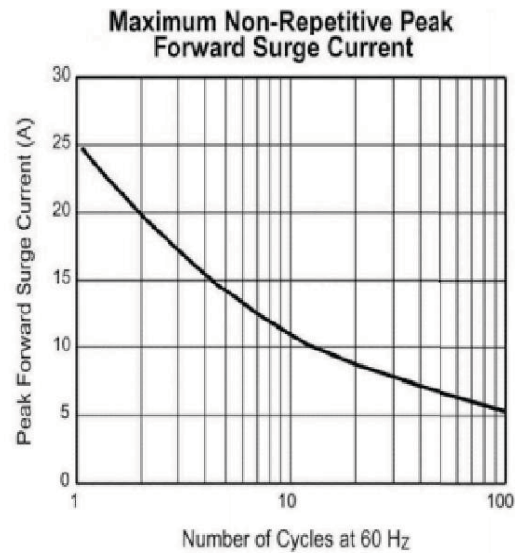
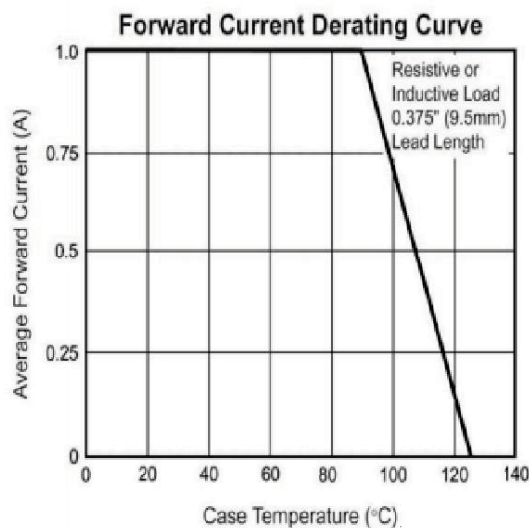
Absolute Maximum Ratings (T_A=25°C unless otherwise specified)

Symbol	GDB5819HWS	Unit
V _{RRM} V _{RWM} V _R	45	V
V _{R(RMS)}	31.5	V
I _F	1	A
I _{FSM}	25	A
P _d	200	mW
R _{θJA}	500	°C /W
T _J , T _{STG}	-65 to 125	°C

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

Symbol	Conditions	GDB5819HWS		Unit
		Min	Max	
V _(BR)	I _R =1mA	45		V
V _F	I _F =0.1A		0.40	V
	I _F =0.5A		0.46	V
	I _F =1A		0.60	V
I _{RM}	V _R =V _{RRM}	1		mA
C _J	V _R =4V, f=1.0MHZ	120		pF

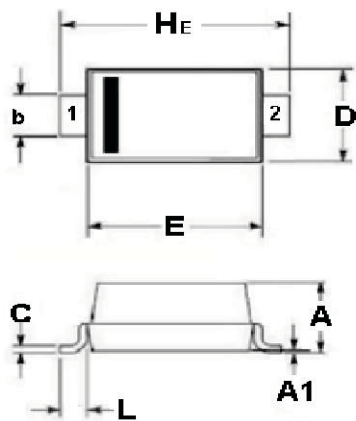
Typical Characteristic Curves



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Package Outline Dimensions (in mm)



PIN: 1. CATHODE 2. ANODE

	SOD-323	
	Min	Max
A	0.80	1.00
A1	0.00	0.10
b	0.25	0.40
C	0.09	0.177
D	1.15	1.35
E	1.60	1.80
HE	2.30	2.70
L	0.20	0.40

Marking

MPN	GDB5819HWS
Marking	SM