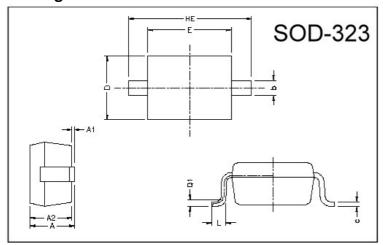
GD420SD

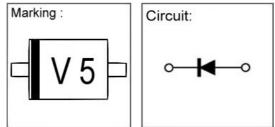
SURFACE MOUNT, SCHOTTKY BARRIER DIODE **VOLTAGE 40V, CURRENT 0.1A**

Description

The GD420SD is designed for low power rectification.

Package Dimensions





REF.	Millimeter		REF.	Millimeter		
	Min.	Max.	nLI.	Min.	Max.	
Α	0.85	1.05				
A1	0	0.10	L	0.20	0.40	
A2	0.80	1.00	b	0.25	0.40	
D	1.15	1.45	С	0.10	0.18	
Е	1.60	1.80				
HE	2.30	2.70	Q1	0.15 BSC.		

Absolute Maximum Ratings at TA = 25℃

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+125	$^{\circ}$ C
Storage Temperature	Tstg	-40 ~ +125	$^{\circ}$ C
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	40	V
Maximum RMS Voltage	V _{RMS}	28	V
Maximum DC Blocking Voltage	V _{DC}	40	V
Peak Forward Surge Current at 8.3mSec single half sine-wave	I _{FSM}	1.0	A
Typical Junction Capacitance between Terminal (Note 1)	CJ	6.0	pF
Maximum Average Forward Rectified Current	lo	0.1	A
Total Power Dissipation	PD	225	mW

Electrical Characteristics (at TA = 25°C unless otherwise noted)

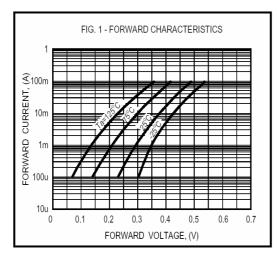
Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	V(BR)R	40	-	-	٧	IR=100μA
Maximum Instantaneous Forward Voltage	VF	-	-	450	mV	IF=10mA
Maximum Average Reverse Current	lr	=	-	1.0	uA	VR=10V

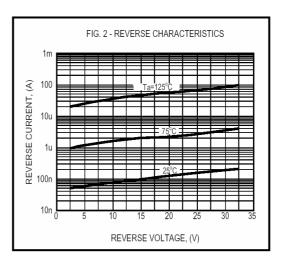
Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 10 volts.

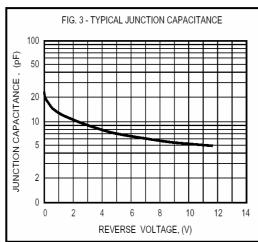
2. ESD sensitive product handling required.

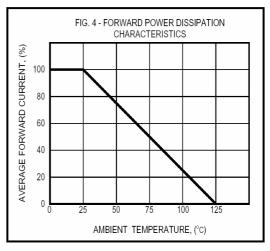
GD420SD Page: 1/2

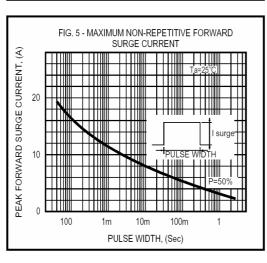
Characteristics Curve











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