

G494SD

SURFACE MOUNT, SCHOTTKY BARRIER DIODE
VOLTAGE 40V, CURRENT 0.4A

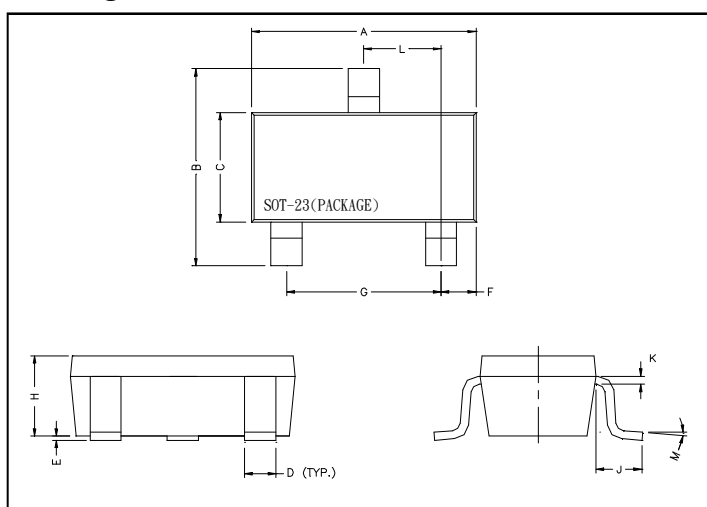
Description

The G494SD is designed for low power rectification.

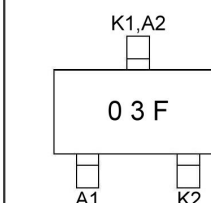
Feature

- Two diode with serial
- High reliability.

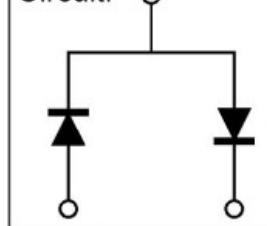
Package Dimensions



Marking:



Circuit:



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	1.90	REF.
B	2.40	2.80	H	1.00	1.30
C	1.40	1.60	K	0.10	0.20
D	0.35	0.50	J	0.40	-
E	0	0.10	L	0.85	1.15
F	0.45	0.55	M	0°	10°

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _j	+125	°C
Storage Temperature	T _{stg}	-40 ~ +125	°C
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	40	V
Maximum RMS Voltage	V _{RMS}	28	V
Maximum DC Blocking Voltage	V _{DC}	25	V
Peak Forward Surge Current at 8.3mSec single half sine-wave	I _{FSM}	2.0	A
Typical Junction Capacitance between Terminal(Note1)	C _J	20	pF
Maximum Average Forward Rectified Current	I _o	0.4	A
Total Power Dissipation	PD	225	mW

Electrical Characteristics (At Ta = 25°C unless otherwise noted)

Characteristics	Symbol	Max.	Unit	Test Condition
Maximum Instantaneous Forward Voltage	V _F (1)	0.3	V	I _F (1) = 10mA
Maximum Instantaneous Forward Voltage	V _F (2)	0.5	V	I _F (2) = 200mA
Maximum Average Reverse Current	I _R	70	uA	V _R = 25V

Notes: 1. Measured at 1.0MHz and applied reverse voltage of 10.0 volts.

2. ESD sensitive product handling required.

Characteristics Curve

FIG. 1 - FORWARD CHARACTERISTICS

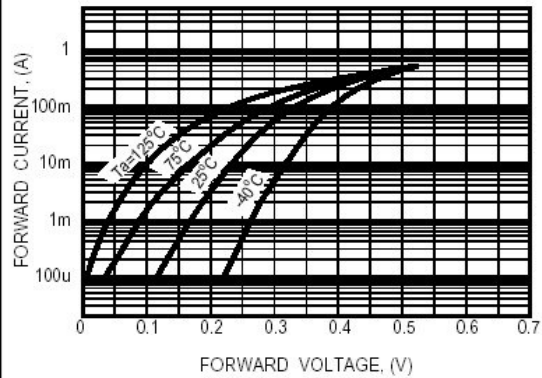


FIG. 2 - REVERSE CHARACTERISTICS

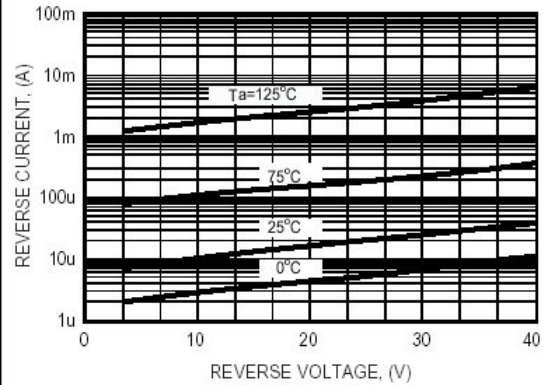
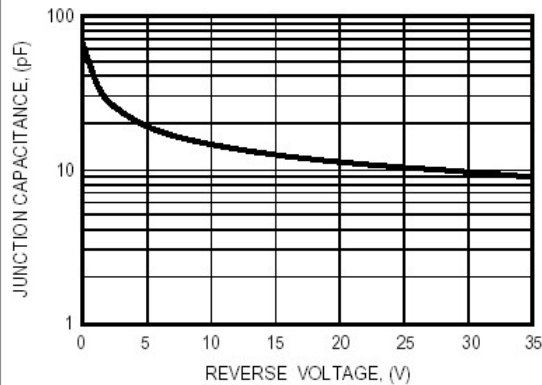


FIG. 3 - TYPICAL JUNCTION CAPACITANCE



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