

## GSBAT54/A/C/S

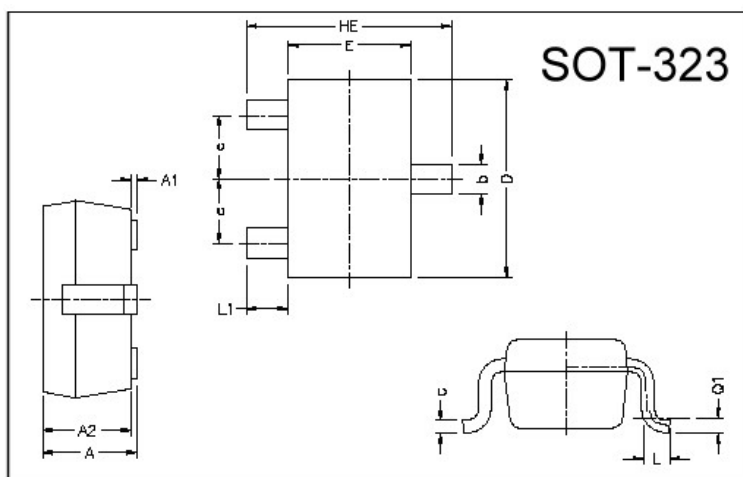
SURFACE MOUNT, SCHOTTKY BARRIER DIODE

VOLTAGE 30V, CURRENT 200mA

### Description

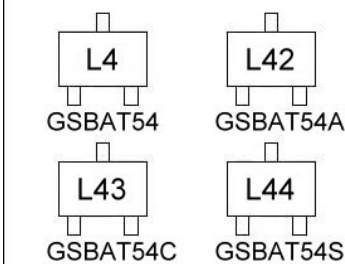
These schottky barrier diodes are designed for high speed switching applications circuit protection, and voltage clamping.

### Package Dimensions

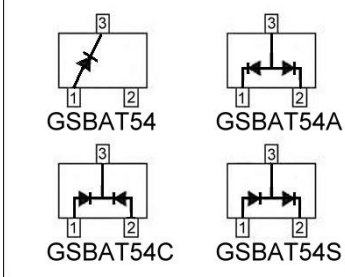


REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.80	1.10	L1	0.42	REF.
A1	0	0.10	L	0.15	0.35
A2	0.80	1.00	b	0.25	0.40
D	1.80	2.20	c	0.10	0.25
E	1.15	1.35	e	0.65	REF.
HE	1.80	2.40	Q1	0.15	BCS.

### Marking :



### Diagram :



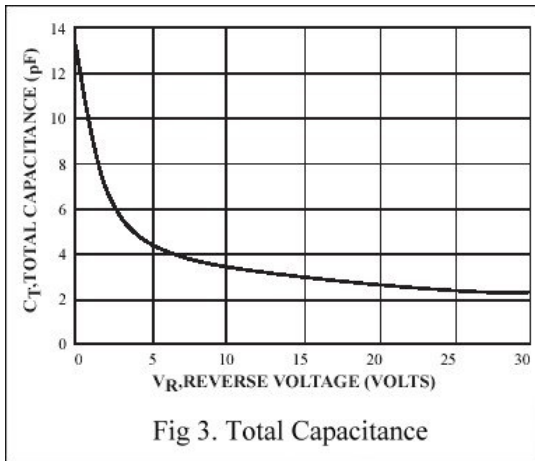
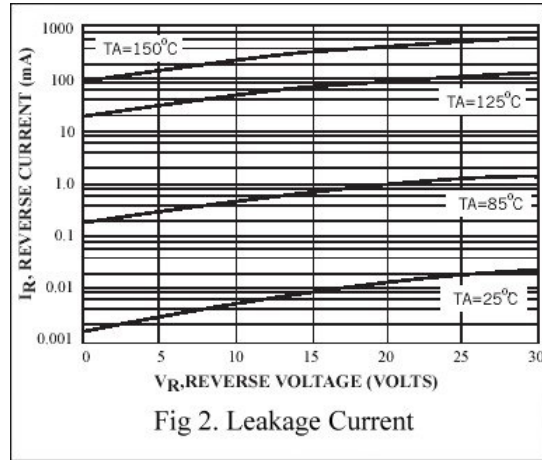
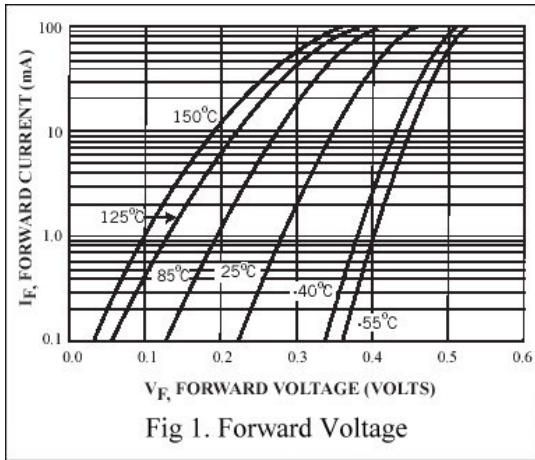
### Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	-55 ~ +125	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Peak Repetitive Reverse Voltage	VR	30	V
Forward Continuous Current	IF	200	mA
Peak Repetitive Forward Current	IFRM	300	mA
Surge Forward Current (t ≤ 1.0s)	IFSM	600	mA
Total Power Dissipation at Ta = 25°C	PD	225	mW

### Characteristics at Ta = 25°C

characteristics	Symbol	Min	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	V(BR)R	30	-	V	IR=10μA
Forward Voltage	VF(1)	-	240	mV	IF=0.1mA
	VF(2)	-	320	mV	IF=1mA
	VF(3)	-	400	mV	IF=10mA
	VF(4)	-	500	mV	IF=30mA
	VF(5)	-	1000	mV	IF=100mA
Reverse Leakage Current	IR	-	2.0	μA	VR=25V
Total Capacitance	CT	-	10	pF	VR=1V, f=1MHz
Reverse Recover Time	Trr	-	5	ns	IF=IR=10mA, IR(Rec)=1mA

## Characteristics Curve



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**Head Office And Factory:**

- **Taiwan:** No. 17-1 Tatung Rd. Fu Kou Hsin-Chu Industrial Park, Hsin-Chu, Taiwan, R. O. C.
- TEL : 886-3-597-7061 FAX : 886-3-597-9220, 597-0785
- **China:** (201203) No.255, Jang-Jiang Tsai-Lueng RD. , Pu-Dung-Hsin District, Shang-Hai City, China
- TEL : 86-21-5895-7671 ~ 4 FAX : 86-21-38950165