

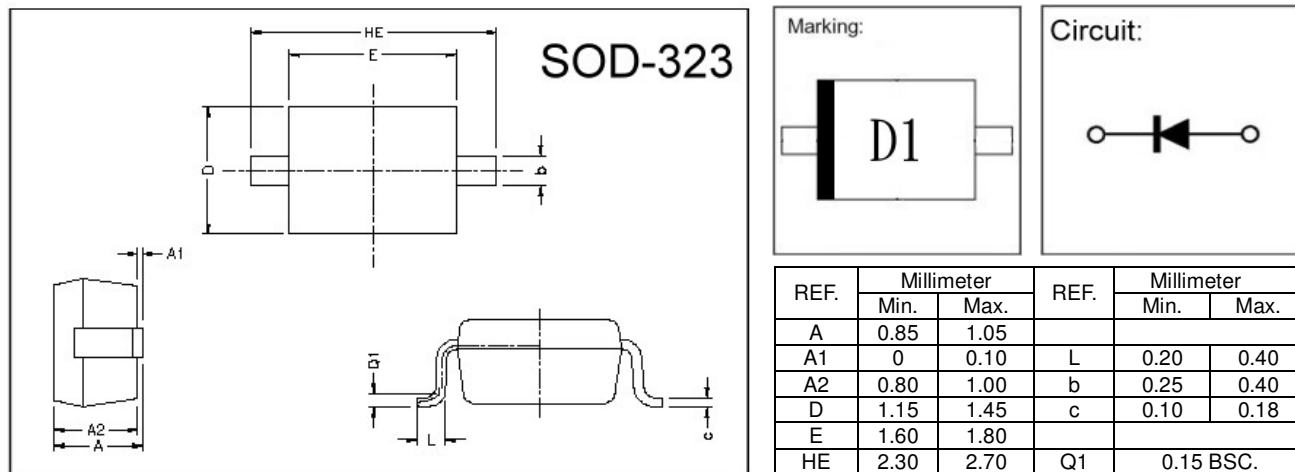
## GD1SS355

SURFACE MOUNT, SWITCHING DIODE  
 VOLTAGE 90V, CURRENT 0.1A

### Description

The GD1SS355 is designed for ultra high speed switching and high reliability with high surge current handling capability.

### Package Dimensions



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

Parameter	Symbol	Ratings	Unit
Junction Temperature	T <sub>j</sub>	+125	°C
Storage Temperature	T <sub>stg</sub>	-55 ~ +125	°C
Maximum Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	90	V
Maximum RMS Voltage	V <sub>RMS</sub>	63	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	80	V
Peak Forward Surge Current at 8.3mSec single half sine-wave	I <sub>FSM</sub>	0.5	A
Typical Junction Capacitance between Terminal (Note 1)	C <sub>J</sub>	3.0	pF
Maximum Reverse Recovery Time (Note2)	T <sub>RR</sub>	4.0	nSec
Maximum Average Forward Rectified Current	I <sub>o</sub>	0.1	A
Total Power Dissipation	PD	225	mW

### Characteristics at Ta = 25°C

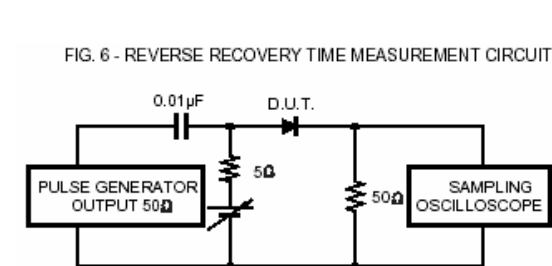
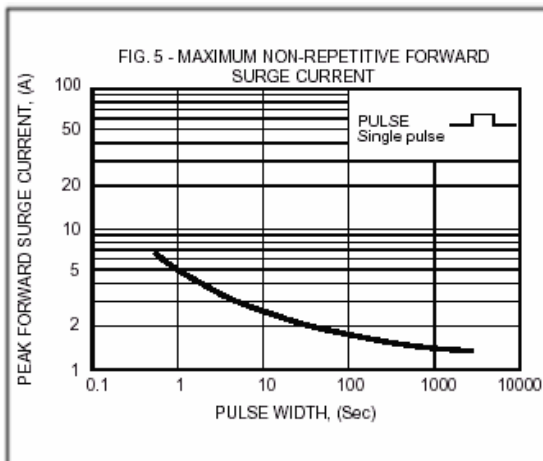
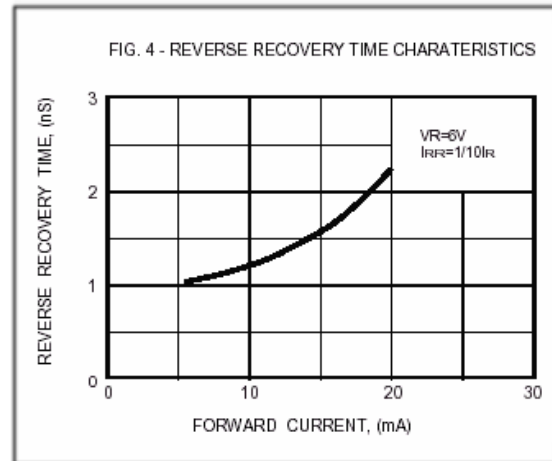
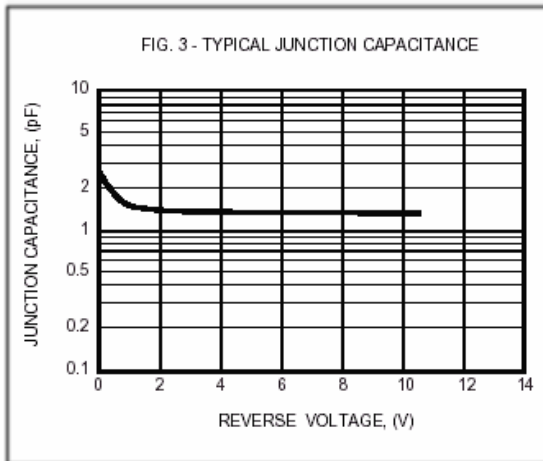
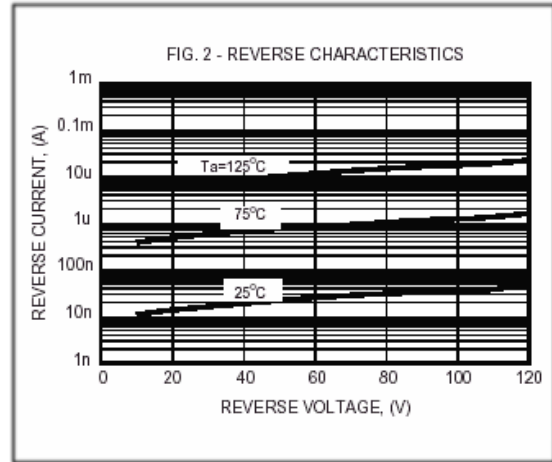
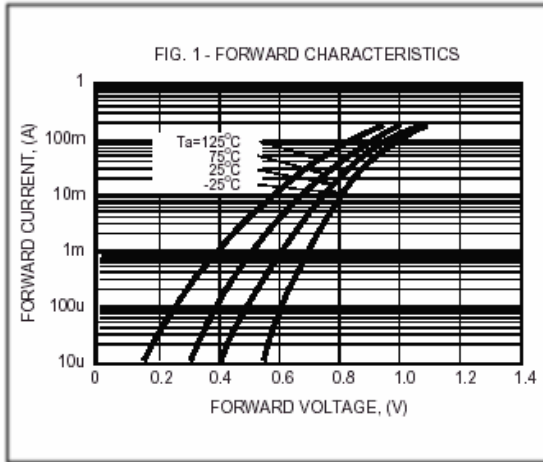
Characteristics	Symbol	Max	Unit	Test Condition
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	1.20	V	I <sub>F</sub> = 100mA
Maximum Average Reverse Current	I <sub>R</sub>	0.1	uA	V <sub>R</sub> = 80V

Notes: 1. Measured at 1.0 MHz and applied reverse voltage of 6.0 volt.

2. Measured at applied forward current of 10mA and reverse voltage of 6.0 volt.

3. ESD sensitive product handling required.

## Characteristics Curve



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