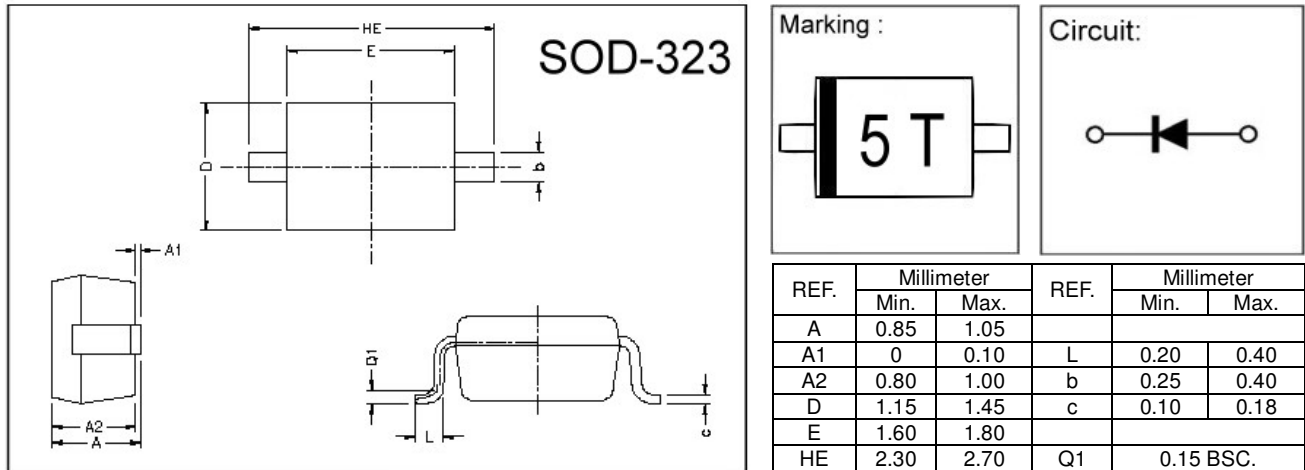


**GD411SD****SURFACE MOUNT, SCHOTTKY BARRIER DIODE  
VOLTAGE 40V, CURRENT 0.5A****Description**

The GD411SD is designed for low power rectification.

**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>	-40 ~ +125	°C
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	40	V
Maximum RMS Voltage	V <sub>RMS</sub>	28	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	V
Peak Forward Surge Current at 8.3mSec single half sine-wave	I <sub>FSM</sub>	3.0	A
Typical Junction Capacitance between Terminal (Note 1)	C <sub>J</sub>	20	pF
Maximum Average Forward Rectified Current	I <sub>o</sub>	0.5	A
Total Power Dissipation	PD	225	mW

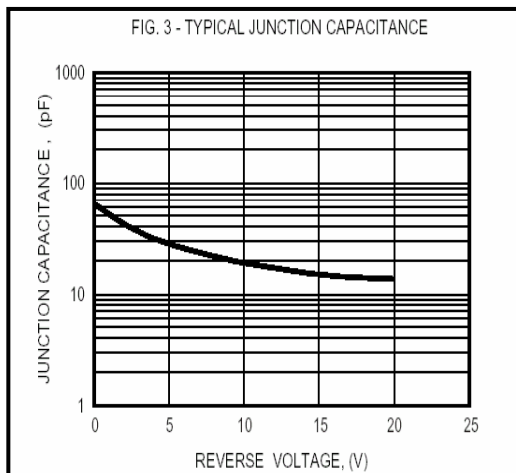
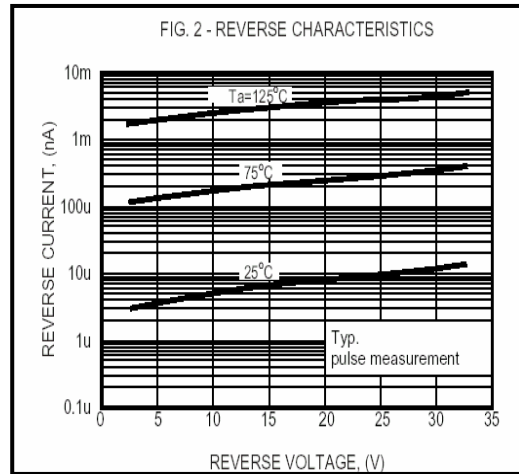
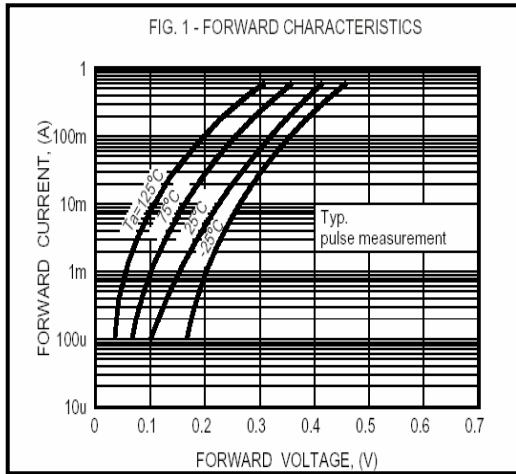
**Electrical Characteristics (at TA = 25°C unless otherwise noted)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	V <sub>(BR)R</sub>	40	-	-	V	I <sub>R</sub> =100μA
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	-	-	300	mV	I <sub>F</sub> 1=10mA
		-	-	500		I <sub>F</sub> 2=500mA
Maximum Average Reverse Current	I <sub>R</sub>	-	-	30	uA	V <sub>R</sub> =10V

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

2. ESD sensitive product handling required.

## Characteristics Curve



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