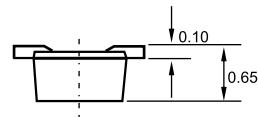
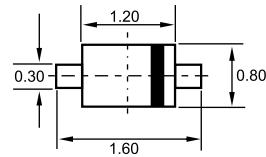

SOD-523


Features

- ✧ Low forward voltage.
- ✧ Fast reverse recovery time.
- ✧ Small total capacitance.

Applications

- ✧ High-speed switching in surface mounted circuits.

Dimensions in inches and (millimeters)

Ordering Information

Type No.	Marking	Package Code
1SS387	G	SOD-523

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits		Unit
Repetitive peak reverse voltage	V _{RRM}	85		V
Reverse voltage	V _R	80		V
Continuous forward current	I _F	100		mA
Surge current	I _{FSM}	1		A
Total power dissipation	P _{tot}	150		mW
Junction temperature	T _j	125		°C
Storage temperature	T _{stg}	-55-125		°C

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F		0.62		V	I _F =1mA
			0.75		V	I _F =10mA
		0.98	1.2		V	I _F =100mA
Reverse current	I _R		0.1		μA	V _R =30V
			0.5		μA	V _R =80V
Diode capacitance	C _d		0.5	3	pF	V _R =0,f=1MHz
Reverse recovery time	t _{rr}		1.6	4	ns	I _F =10mA

TYPICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified
