

### **Features**

- Average Forward Current:I<sub>F(AV)</sub>=1A
- Polarity: Color band denotes cathode

## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
HRB160MM-60TR	SOD-123FL	K16	3000



SOD-123FL



## Maxmim Ratings (Ta=25 unless otherwise noted)

Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Type Number		Limit	Unit
Maximum Recurrent Peak Reverse Voltage		60	V
Maximum RMS Voltage		42	V
Maximum DC Blocking Voltage		60	V
Maximum Average Forward Rectified C	Current		
See Fig. 1	1.0	А	
Peak Forward Surge Current, 8.3 ms single half sine-wave			
superimposed on rated load (JEDEC method)		30	А
Maximum Instantaneous Forward Voltage at 1.0A		0.7	V
Maximum DC Reverse Current	Ta=25°C	0.2	mA
at Rated DC Blocking Voltage	Ta=100°C	10	mA
Typical Junction Capacitance (Note1)		110	pF
Typical Thermal Resistance R JA (Note 2)		80	°C/W
Operating Temperature Range TJ		-65 -+125	°C
Storage Temperature Range Tsrg		-65-+150	Ĵ

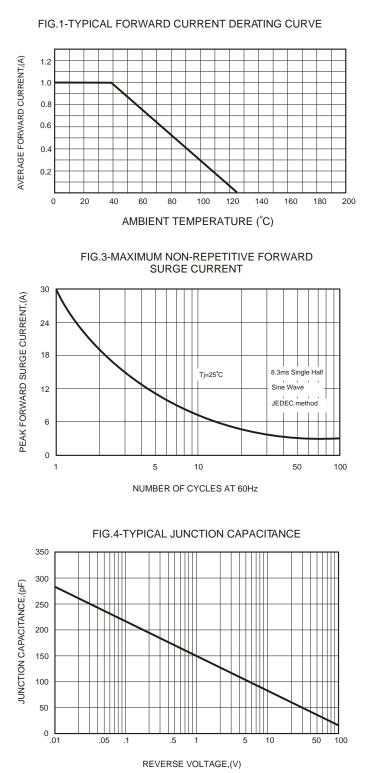
#### NOTES:

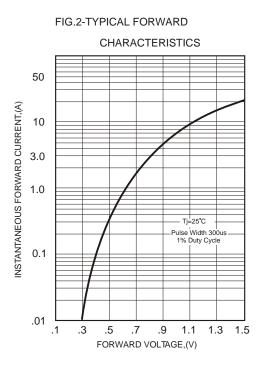
1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

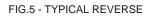
2. Thermal Resistance Junction to Ambient.

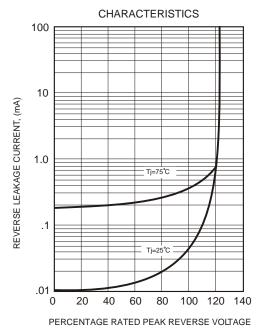


# **Typical Characteristics**



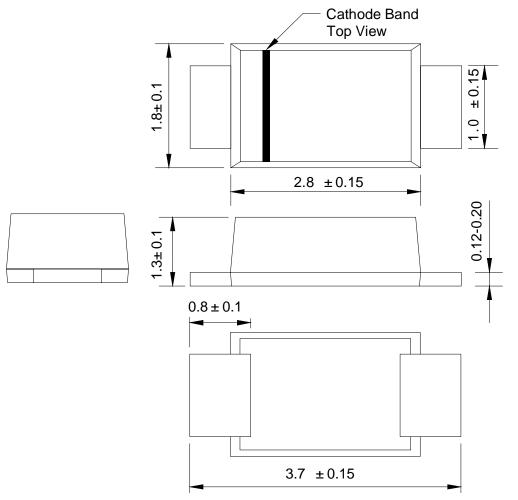








# SOD-123FL Package Outline Dimensions





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