

PRIMARY CHARACTERISTICS

V_R	60V
I_O	1A
V_F	0.58V
$T_{J,Max}$	150°C

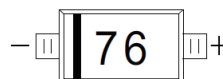
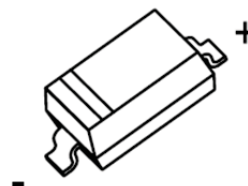
FEATURES

- Small Power Mold Type
- Low IR
- High Reliability
- Moisture Sensitivity Level 1

SOD-123

PACKAGE

MARKING: 76



MECHANICAL DATA

- Case : Molded plastic,SOD-123
- Polarity : Shown above
- Terminals :Plated terminals,
solderable per MIL-STD-750,Method
2026
- Epoxy : UL94-V0 rated flame
retardant

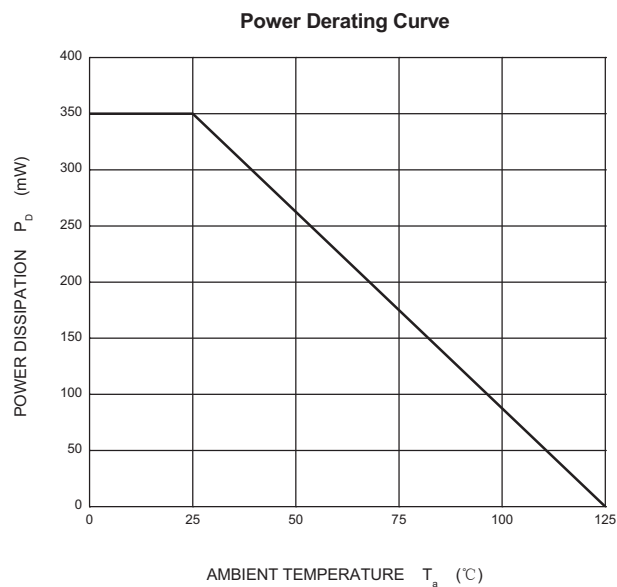
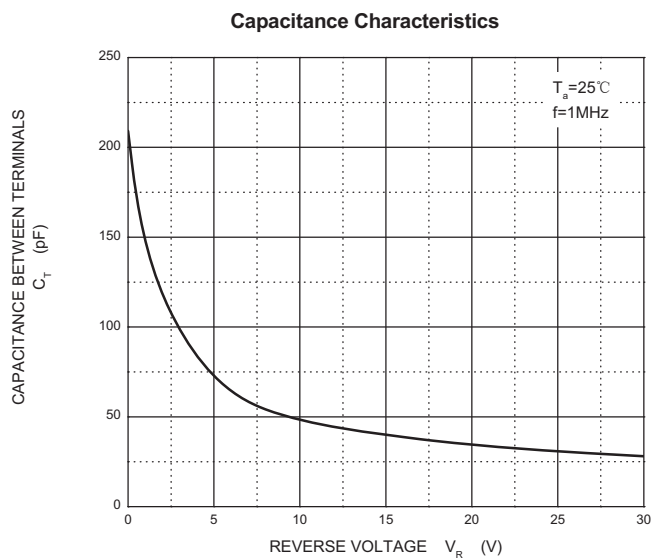
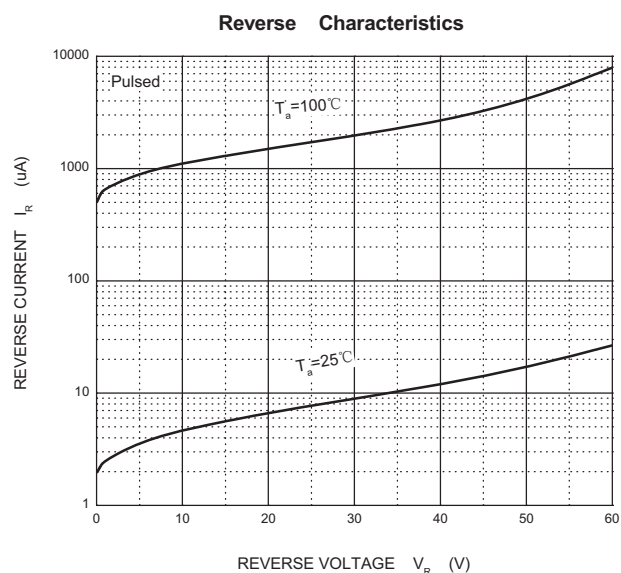
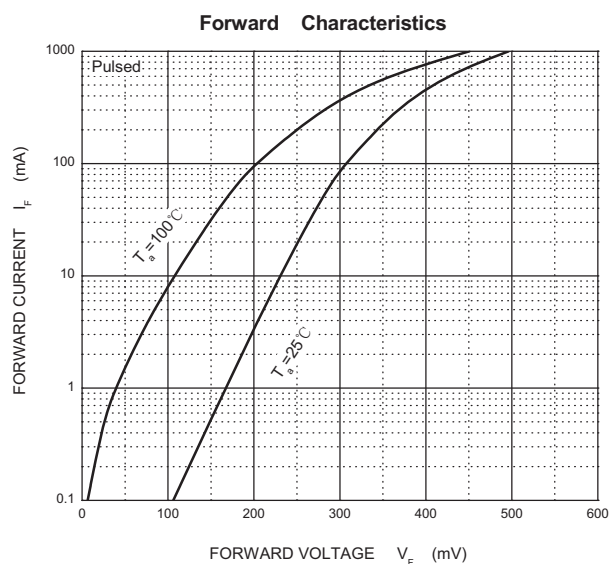
Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	60	V
Mean rectifying current	I_O	1	A
Peak forward surge current @t=8.3ms	I_{FSM}	15	A
Power dissipation	P_D	350	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	286	°C/W
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical characteristics @T_a=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.58	V	$I_F=1A$
Reverse current	I_R			30	μA	$V_R=60V$

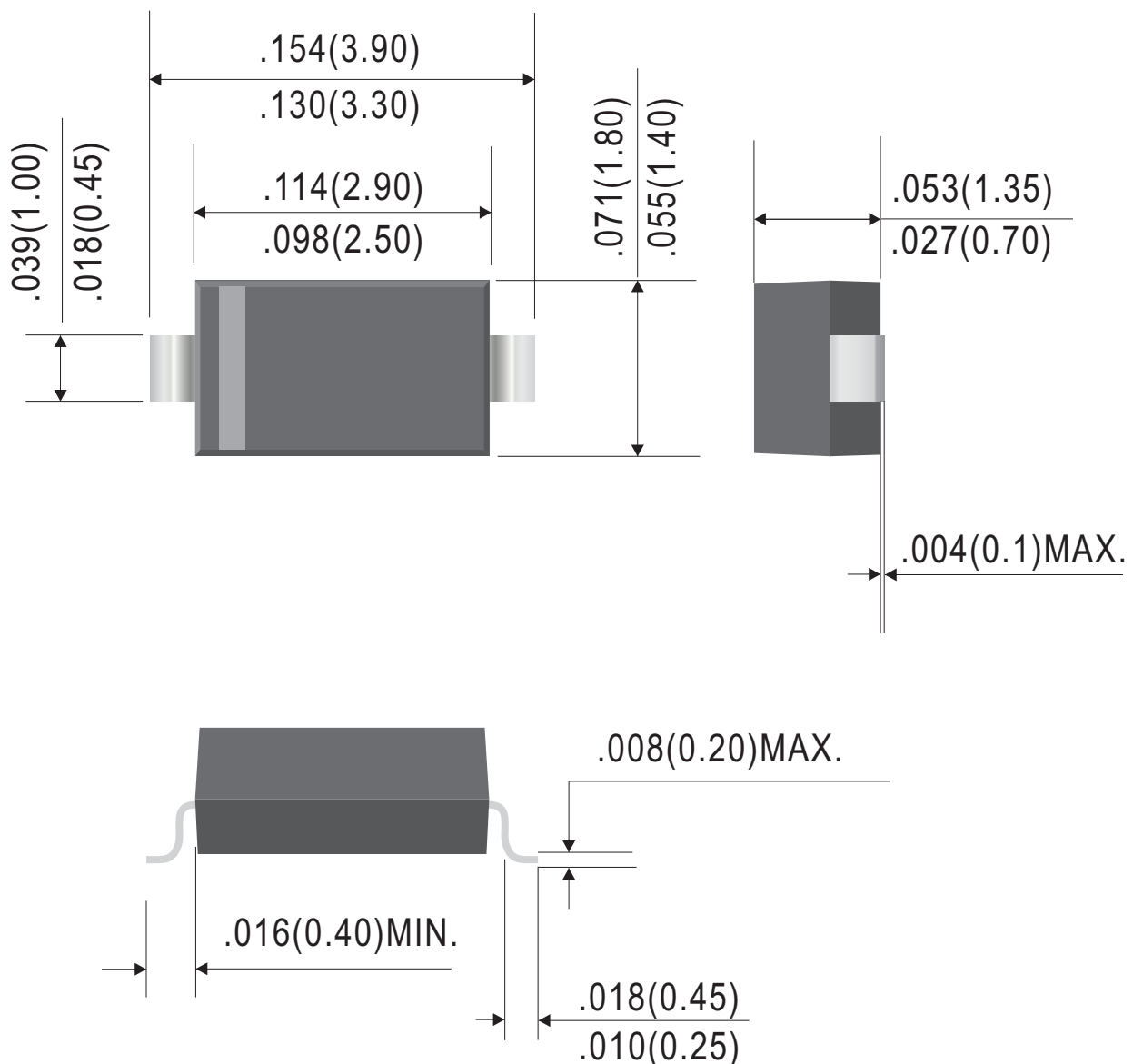
Typical Characteristics





Outline Drawing

SOD-123



Dimensions in inches and (millimeters)

Rev.D

Ordering Information:

Device PN	Packing
SCS160M-60 -T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 3 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

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