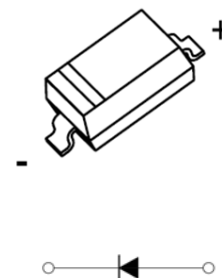
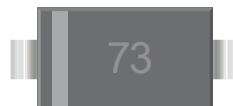


**1A Plastic-Encapsulate Schottky Barrier Diode - 30V****PRIMARY CHARACTERISTICS**

V_{RRM}	30V
I_O	1A
V_F	0.48V
$T_{J,Max}$	125°C

SOD-123 PACKAGE

Marking : 73

**FEATURES**

- Small Current Rectification
- Low Voltage
- Moisture Sensitivity Level 1

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 ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_R	DC Blocking Voltage	30	V
I_O	Forward Current	1	A
I_{FSM}	Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	15	
P_D	Power Dissipation	450	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	222	°C/W
T_J	Junction Temperature	125	°C
T_{stg}	Storage Temperature	-55~+150	°C

ELECTRICAL CHARACTERISTICS($T_a=25^{\circ}\text{C}$ unless otherwise specified)

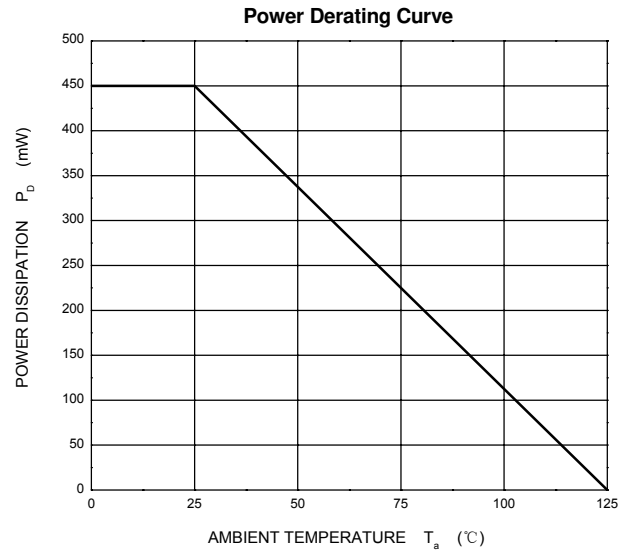
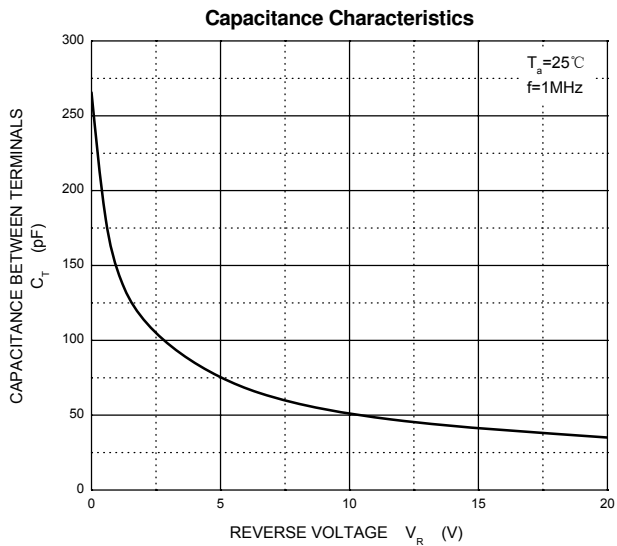
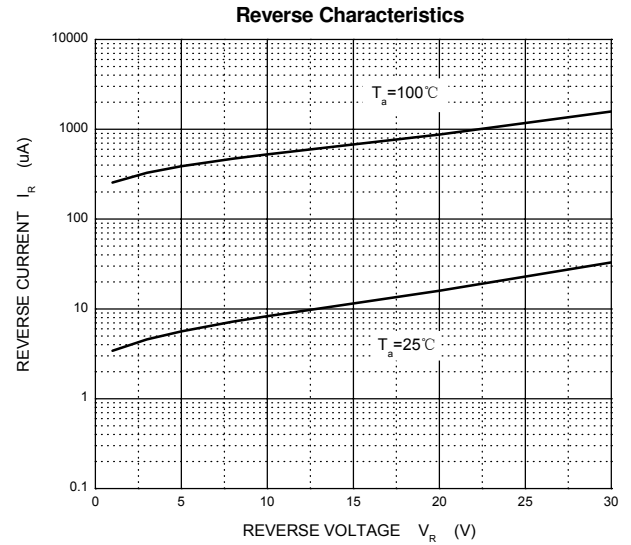
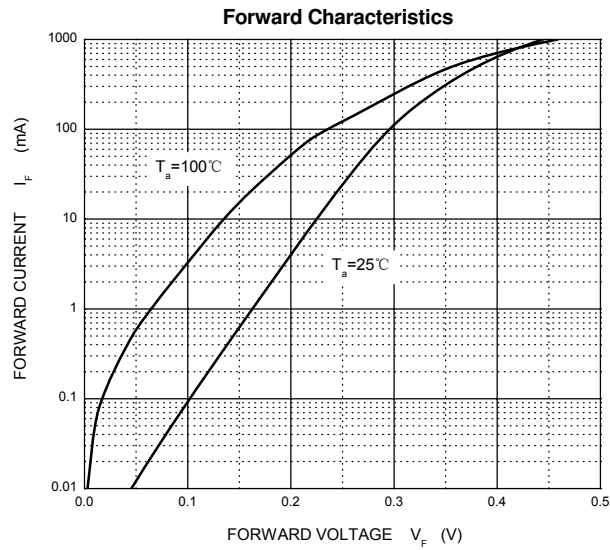
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse current	I_R	$V_R=15\text{V}$			20	μA
		$V_R=30\text{V}$			50	μA
Forward voltage	$V_{F(1)}$	$I_F=500\text{mA}$			0.46	V
	$V_{F(2)}^*$	$I_F=1000\text{mA}$			0.48	

* Pulse test



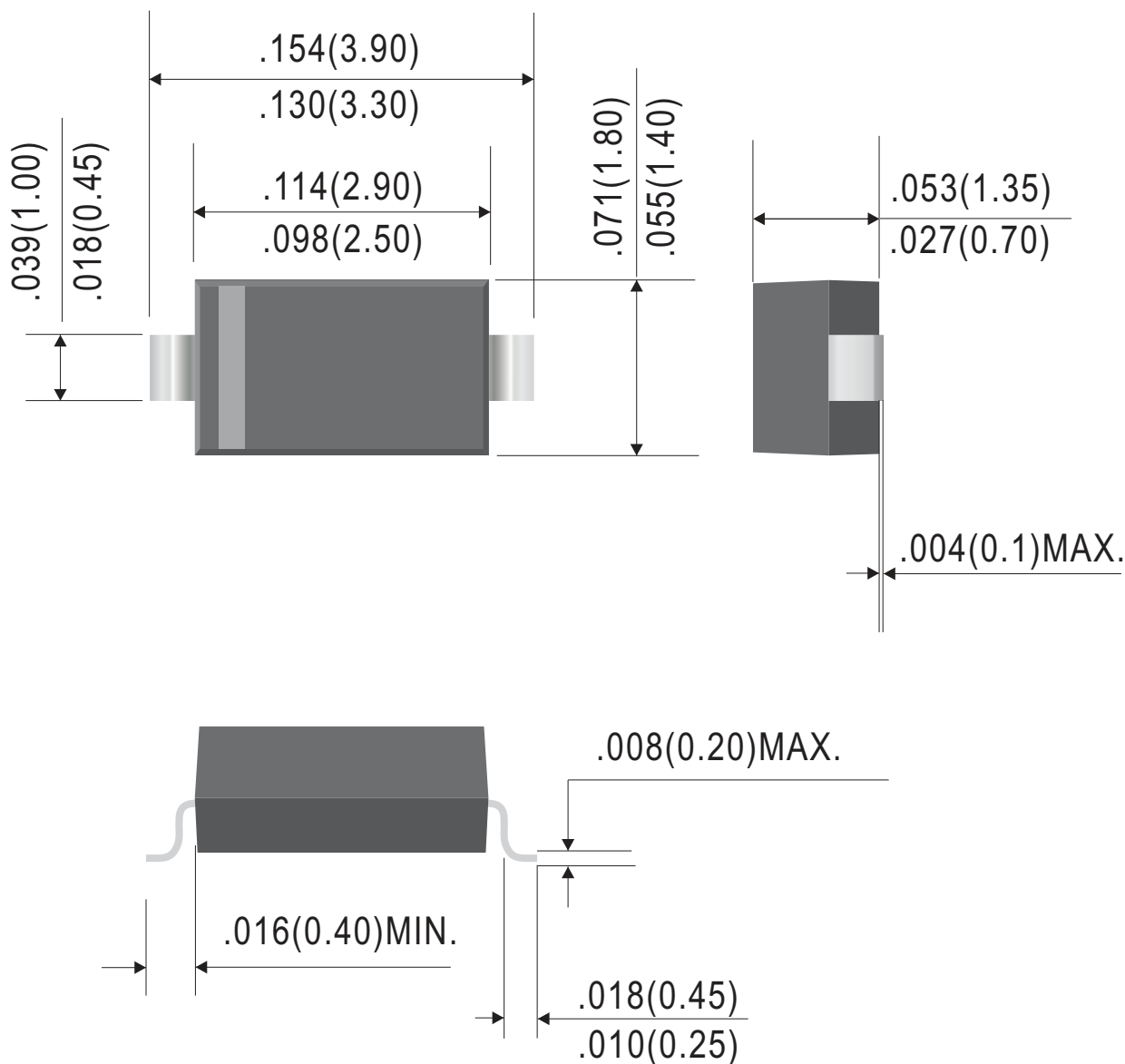
1A Plastic-Encapsulate Schottky Barrier Diode - 30V

Typical Characteristics



Outline Drawing

SOD-123



Dimensions in inches and (millimeters)

Rev.D

Ordering Information:

Device PN	Packing
SCS160M-30 -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"

*****Disclaimer*****

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