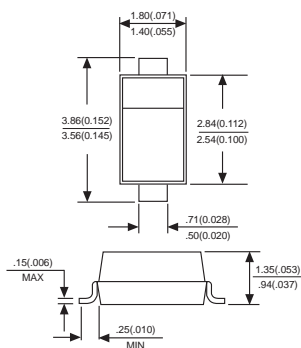


# SD103AW-SD103CW

## SCHTTKY DIODES

### SOD-123



Dimensions in millimeters and (inches)

### FEATURES

- Low forward voltage drop
- Guard ring construction for transient protection
- Negligible reverse recovery time
- low reverse capacitance

### MECHANICAL DATA

**Case:** Molded plastic body  
**Terminals:** Plated leads solderable per MIL-STD-750, Method 2026  
**Polarity:** Polarity symbols marked on case  
**Mounting Position:** Any  
**Marking:** SD103AW:S4, SD103BW:S5, SD103CW:S6

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Maximum ratings and electrical characteristics, Single diode @T<sub>A</sub>=25°C

PARAMETER	SYMBOLS	SD103AW	SD103BW	SD103CW	UNITS
Peak repetitive peak reverse voltage	V <sub>RRM</sub>				VOLTS
Working peak reverse voltage	V <sub>RWM</sub>	40	30	20	
DC Blocking voltage	V <sub>DC</sub>				
RMS Reverse voltage	V <sub>R(RMS)</sub>	28	21	14	V
Forward continuous current	I <sub>FM</sub>		350		mA
Repetitive peak forward current @t≤1.0s	I <sub>FRM</sub>		1.5		A
Power dissipation	P <sub>d</sub>		400		mW
Thermal resistance junction to ambient	R <sub>θJA</sub>		300		°C/W
Storage temperature	T <sub>STG</sub>		-65 to +125		°C

Electrical ratings @T<sub>A</sub>=25°C

PARAMETER	SYMBOLS	Min.	Typ.	Max.	Unit	Conditions
Reverse breakdown voltage	SD103AW SD103BW SD103CW	40 30 20			V	IR=100uA IR=100uA IR=100uA
Forward voltage	V <sub>F</sub>			0.37 0.60	V	I <sub>F</sub> =20mA I <sub>F</sub> =200mA
Reverse current	SD103AW SD103BW SD103CW			5.0	uA	V <sub>R</sub> =30V V <sub>R</sub> =20V V <sub>R</sub> =10V
Capacitance between terminals	C <sub>T</sub>		50		pF	V <sub>R</sub> =0V, f=1.0MHz
Reverse recovery time	t <sub>rr</sub>		10		ns	I <sub>F</sub> =I <sub>R</sub> =200mA I <sub>rr</sub> =0.1X I <sub>R</sub> , R <sub>L</sub> =100Ω

# RATINGS AND CHARACTERISTIC CURVES SD103AW-SD103CW

FIG. 1- TYPICAL FORWARD CHARACTERISTICS

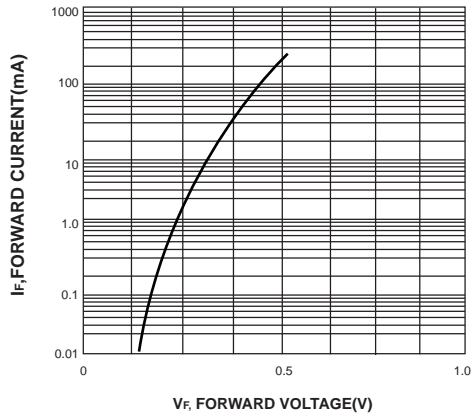
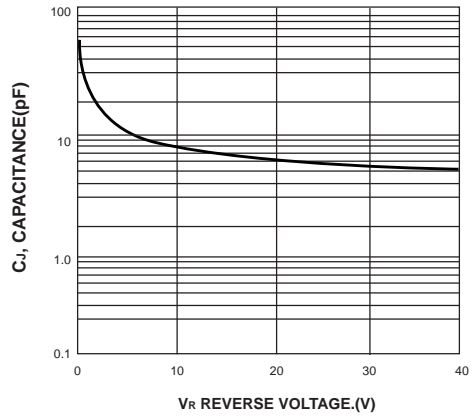


FIG. 2-TYP. JUNCTION CAPACITANCE VS REVERSE VOLTAGE



单击下面可查看定价，库存，交付和生命周期等信息

[>>STAR SEA\(星海\)](#)