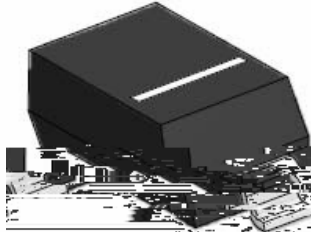
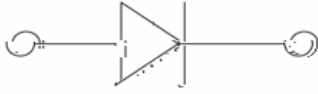




Small Signal Schottky Diode



SOD123

Features

- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- V_{RRM} 60V/50V/40V
- I_{FAV} 0.07A
- Part no. with suffix "Q" means AEC-Q101 qualified

Applications

- For Surface Mount Application
- Automotive

Mechanical Data

- **Case:** SOD123
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end

■ Maximum Ratings ($T_a=25^\circ\text{C}$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	CONDITIONS	VALUE	
Repetitive peak reverse voltage	V_{RRM}	V		SD101AWQ	60
				SD101BWQ	50
				SD101CWQ	40
Average Forward Current	I_{FAV}	A		0.07	
Peak Forward Surge Current	I_{FSM}	A	8.3ms, half sine	3	
Power Dissipation	P_{tot}	mW		450	
Thermal Resistance Junction to Ambient	R_{thJA}	K/W		278	
Junction Temperature	T_j			-55 to +150	
Storage Temperature Range	T_{stg}			-55 to +150	



SD101AWQ & SD101BWQ & SD101CWQ

■ Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	CONDITIONS	PART	MIN	MAX
Forward Voltage	V_F	V	$I_F=1\text{mA}$	SD101AWQ		0.41
				SD101BWQ		0.4



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v2XWOLQH 'LPHQVLRQV

v0DUNLQJ ,QIRUPDWLRQ

|

yyX

	0DUNLQJ
^ íîí tY	6
^ íîí tY	6
^ íîí tY	6

1RWH
\$OO PDUNLQJ LV DW PLGGOH RI WKH SURGXFW ERG\
\$OO PDUNLQJ LV LQ ODVHU PDUNLQJ
;; LV 0DUNLQJ &RGH
%RG\ FRORU %ODFN

\$OO PDUNLQJ LV DW PLGGOH RI WKH SURGXFW ERG\
\$OO PDUNLQJ LV LQ ODVHU PDUNLQJ
;; LV 0DUNLQJ &RGH
%RG\ FRORU %ODFN

