

Small Signal Schottky Diode

Features

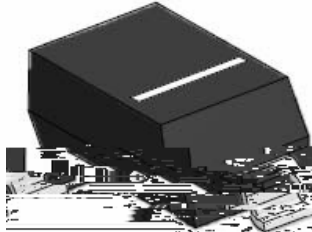
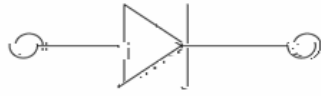
Epoxy meets UL-94 V-0 flammability rating and halogen free
 Moisture Sensitivity Level 1
 V_{RRM} 60V/50V/40V
 I_{FAV} 0.07A
 Part no. with suffix "Q" means AEC-Q101 qualified

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



SOD123

Maximum Ratings ($T_a=25$ 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



0

6' \$:4 6' %:4 6' &:4

v2XWOLQH 'LPHQVLRQV

v0DUNLQJ ,QIRUPDWLRQ

| y y X

	0DUNLQJ
^ ïï tY	6
^ ïï tY	6
^ ïï tY	6

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