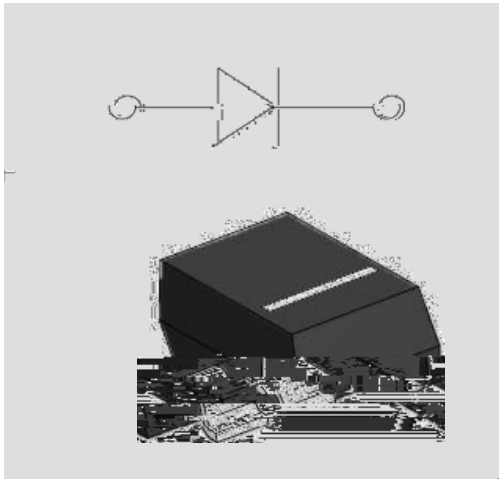




- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
-
- V_{RRM} 70V
- I_{FAV} 70mA
- Part no. with suffix "Q" means AEC-Q101 qualified

-
- Automotive

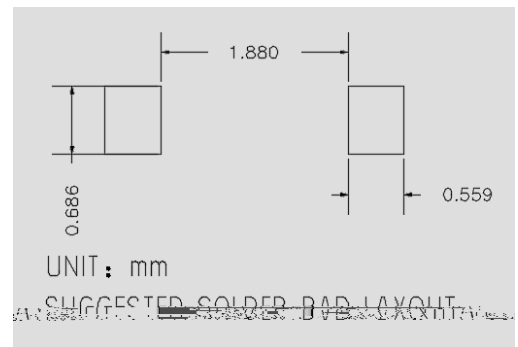
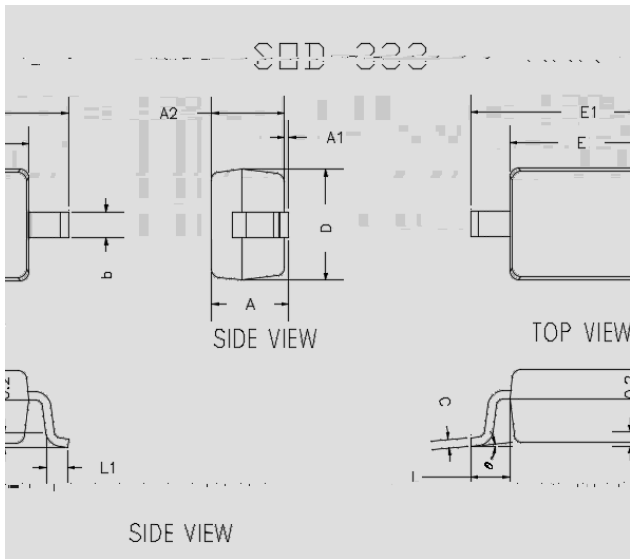
- : SOD-323
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102

■ ($T_a=25$ Unless otherwise specified)

Repetitive Peak Reverse Voltage	V_{RRM}	V		70
Average Forward Current	I_{FAV}	mA		70
Peak Forward Surge Current	I_{FSM}	A	$t=8.3ms$	3
Power Dissipation	P_{tot}	mW		250
Thermal Resistance Junction to Ambient	R_{thJA}	K/W		500
Junction Temperature	T_j			-55 to +150
Storage Temperature Range	T_{stg}			-55 to +150

■ $T_a=25$ Unless otherwise specified

Forward Voltage	V_F	V	$I_F=1mA$		0.41
			$I_F=15mA$		1
Reverse Current	I_R	μA	$V_R=50V$		0.2
Breakdown Voltage	V_{BR}	V	$I_R=10\mu A$	70	
Junction Capacitance	C_j	pF	$V_R=0 V, f=1MHz$		4
Reverse Recovery Time	t_{rr}	ns	$I_F=I_R=10mA, I_{rr}=1mA, R_L=100\Omega$		5



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	---	0.0393	---	1.0000
A1	0.0000	0.0039	0.0000	0.1000
A2	0.0314	0.0354	0.8000	0.9000
b	0.0098	0.0157	0.2500	0.4000
C	0.0031	0.0059	0.0800	0.1500
D	0.0472	0.0551	1.2000	1.4000
E	0.0629	0.0709	1.6000	1.8000
E1	0.0984	0.1063	2.5000	2.7000
L	0.0187TYP		0.475TYP	
L1	0.0098	0.0157	0.250	0.400
θ	C°	8°	C°	8°



Note:

1. All marking is at middle of the product body
2. All marking is in laser marking
3. Body color: Black

