

/ Descriptions

60V 3.0A SMB

Surface Mount Schottky Barrier Rectifiers, Reverse Voltage 60V,Forward Current: 3.0A ,SMB package.

/ Features

Low power loss, High efficiency, High forward surge current capability, For surface mounted applications, HF Product.

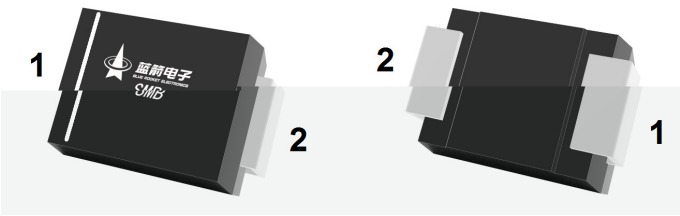
/ Applications

General purpose.

/ Equivalent Circuit

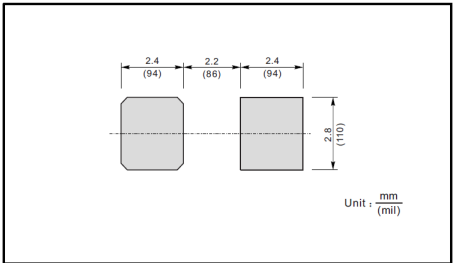


/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



/ Marking

Type number	Marking
SSL36B	SSL36

/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	60	V
Maximum RMS voltage	V_{RMS}	42	V
Maximum DC Blocking Voltage	V_{DC}	60	V
Maximum Average Forward Rectified Current at $T_c=100^{\circ}C$	$I_F (AV)$	3	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	70	A
Typical Junction Capacitance ¹	C_j	400	pF
Typical Thermal Resistance ²	$R_{\theta JA}$	60	$^{\circ}C/W$
Operating Junction Temperature Range	T_j	-55~+150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-55~+150	$^{\circ}C$

Note:

- 1 Measured at 1 MHz and applied reverse voltage of 4 V D.C.
- 2 P.C.B. mounted with 2.0" X 2.0" (5 X 5cm) copper pad areas.

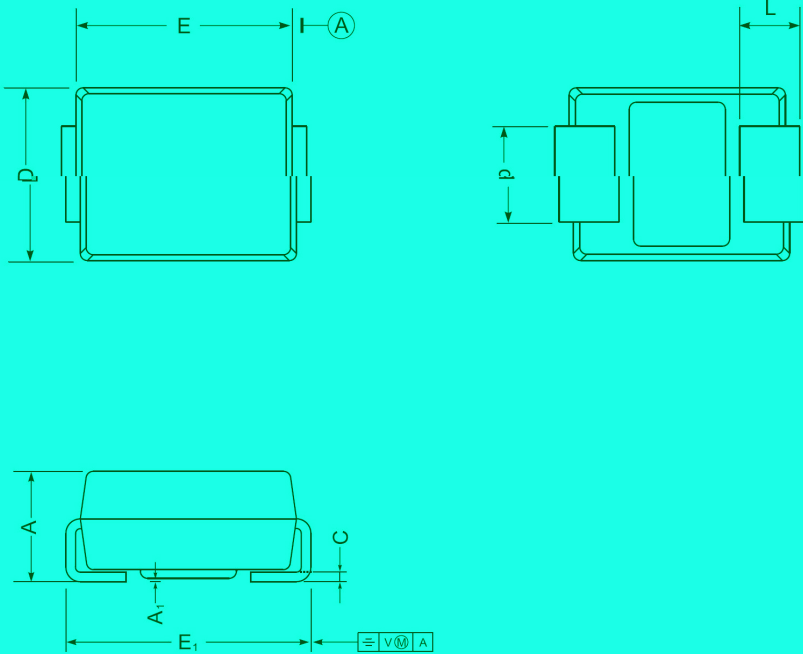
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	数值 Rating	Unit
Maximum Instantaneous Forward Voltage	V_F	$I_F=3.0A$	0.5	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	$T_a=25^{\circ}C$ $T_a=100^{\circ}C$	0.5 5.0	mA



/ Package Dimensions

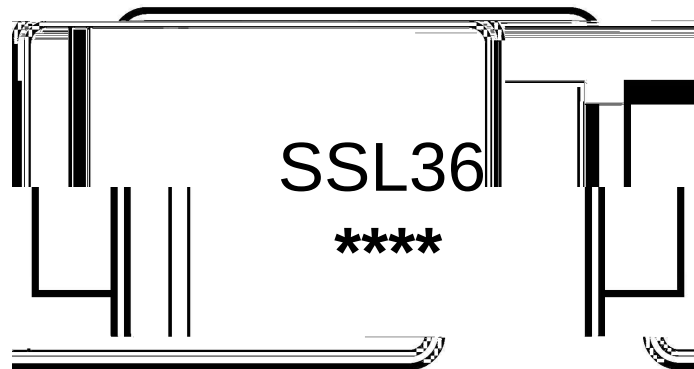
SMB



SMB mechanical data

UNIT		A	E	D	E ₁	A ₁	L	C	b
mm	max.	2.44	4.70	3.94	5.59	0.20	1.5	0.305	2.2
	min.	2.13	4.06	3.3	5.08	0.05	0.8	0.152	1.9
mil	max.	96	185	155	220	7.9	59	12	87
	min.	84	160	130	200	2.0	32	6	75

/ Marking Instructions



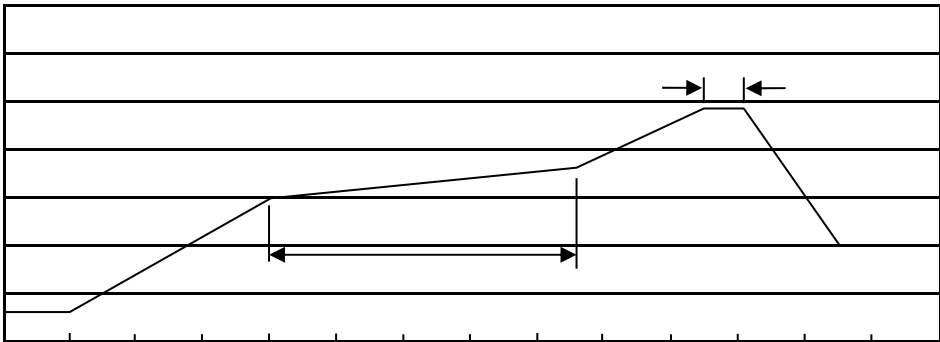
SSL36

Note:

SSL36 Product Type Code

**** Lot No. Code, code change with Lot No Code

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



- Note:
- 1

150 180

60 90sec;

1.Preheating:150~180 , Time:60~90sec.
- 2

245±5

5±0.5sec;

2.Peak Temp.:245±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
SMB	3,000	2	6,000	7	42,000	13" ×12	336X336X40	380X335X366

/ Notices