

/ Descriptions

40V 5.0A SMB

Surface Mount Schottky Barrier Rectifiers, Reverse Voltage 40V, Forward Current: 5.0A ,SMB package.

/ Features

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

/ Applications

General purpose.

/ Equivalent Circuit



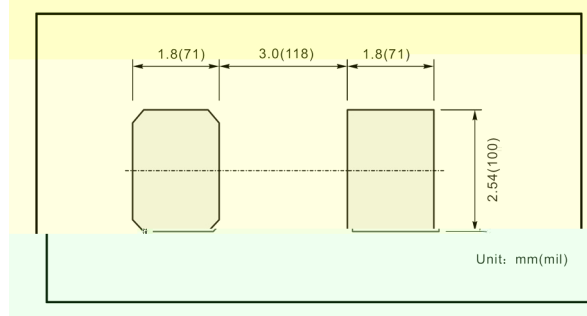
/ Pinning



PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



/ Marking

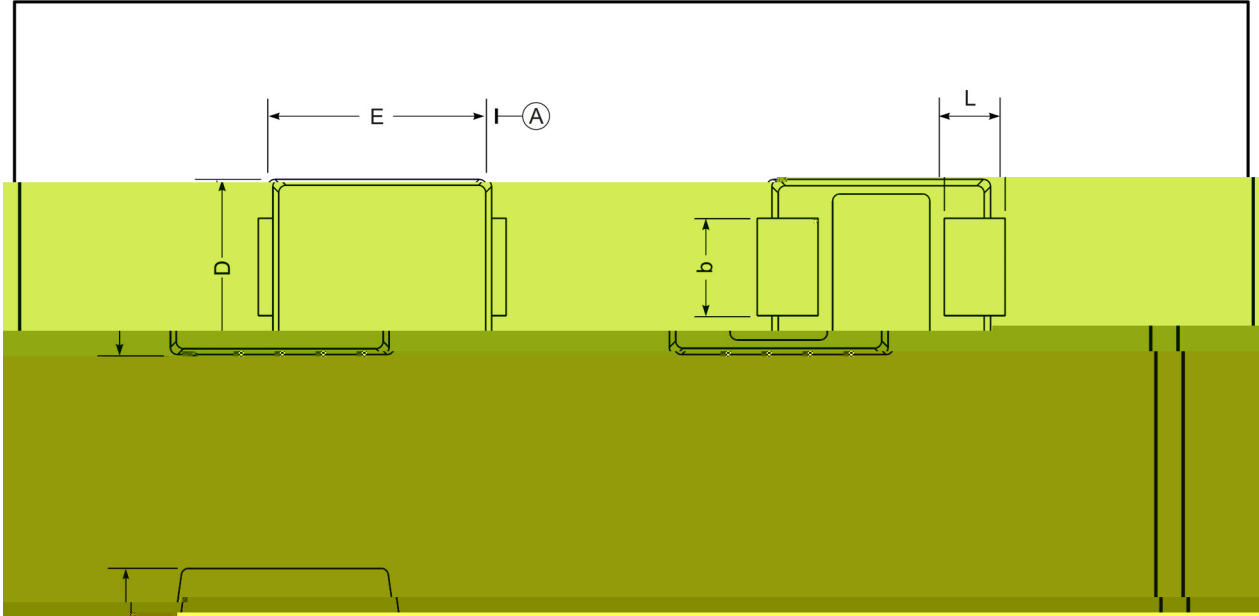
Type number	Marking
SSL54B	SSL54

/ Electrical Characteristic Curve



/ Package Dimensions

SMB



Smb mechanical data

UNIT		A	E	D	E	A	L	C	b
	max	2.24	4.70	3.94	5.50	0.20	1.5	0.305	0.2
	min	2.13	4.02	3.31	5.18	0.02	1.25	0.254	0.1
mil	max	96	185	155	220	7.9	59	12	87
	min	84	160	130	200	2.0	32	6	75

() / 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)
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