

5 é / Descriptions

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Surface Mount Schottky Barrier Rectifiers, Reverse Voltage y 40V,Forward Current: 3.0A ,SMB
package.

□ a / Features

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

Đ ÷ / Applications

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General purpose.

Ã W] Ô · / Equivalent Circuit

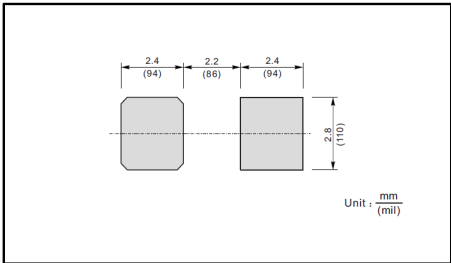


• Ô - æ / Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



, M V / Marking

Type number	Marking
SSL34B	SSL34

1. Absolute Maximum Ratings(Ta=25 ;)

@ f Parameter	... Z Symbol	f > Rating	% y Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	40	V
Maximum RMS voltage	V _{RMS}	28	V
Maximum DC Blocking Voltage	V _{DC}	40	V
Maximum Average Forward Rectified Current at T _c =100°C	I _{F AAV A}	3	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I _{FSM}	80	A
Typical Junction Capacitance ¹⁾	C _j	450	pF
Typical Thermal Resistance ²⁾	R _{JA}	60	/W
Operating Junction Temperature Range	T _j	-55~+150	
Storage Temperature Range	T _{stg}	-55~+150	

Note:

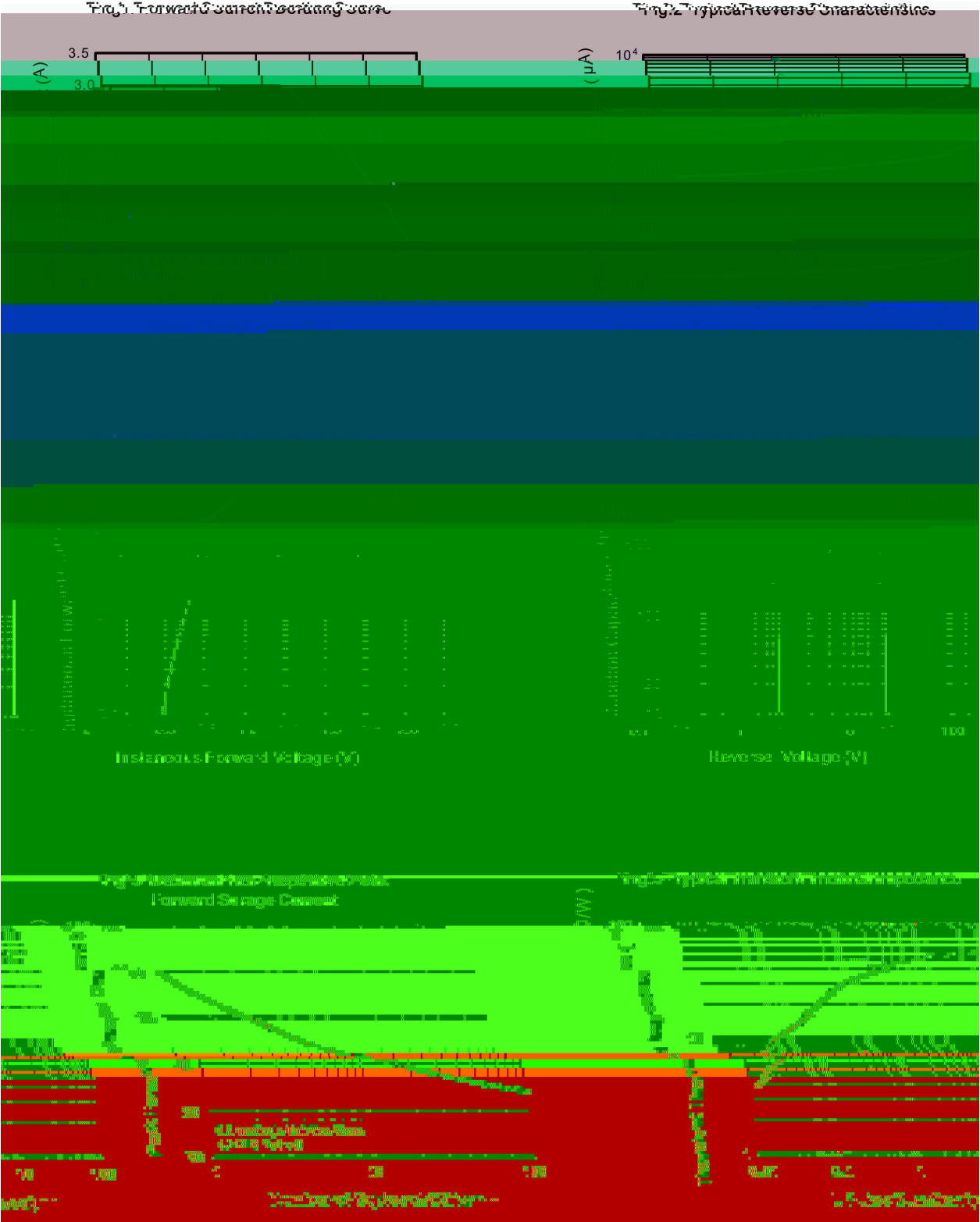
1) Measured at 1 MHz and applied reverse voltage of 4 V D.C.

2) P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

2. Electrical Characteristics(Ta=25 ;)

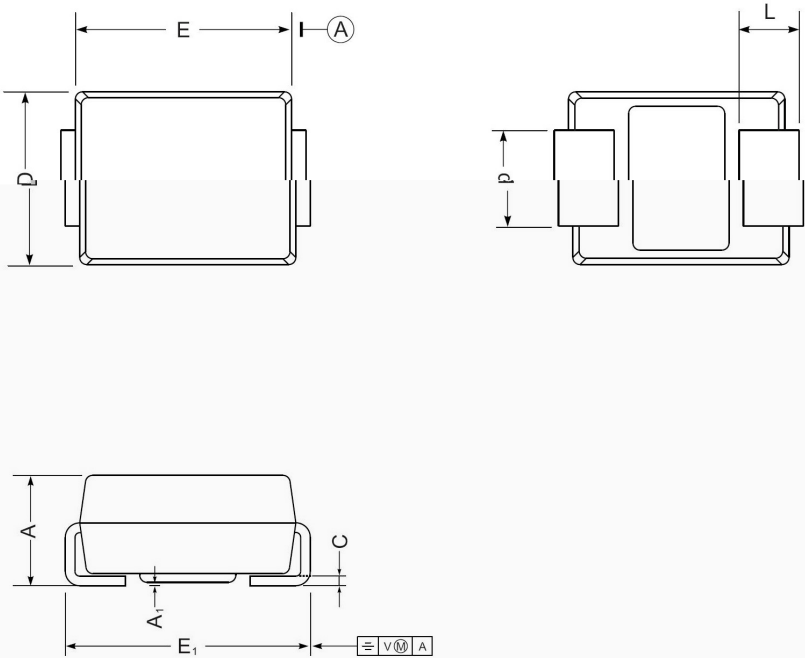
@ f Parameter	... Z Symbol	y i Ū ^ Test Conditions	I Rating	% y Unit
Maximum Instantaneous Forward Voltage	V _F	I _F =3.0A	0.45	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	T _a =25 T _a =100	0.3 5	mA

SSL34B / Electrical Characteristic Curve



Ø □ =) ☿ / Package Dimensions

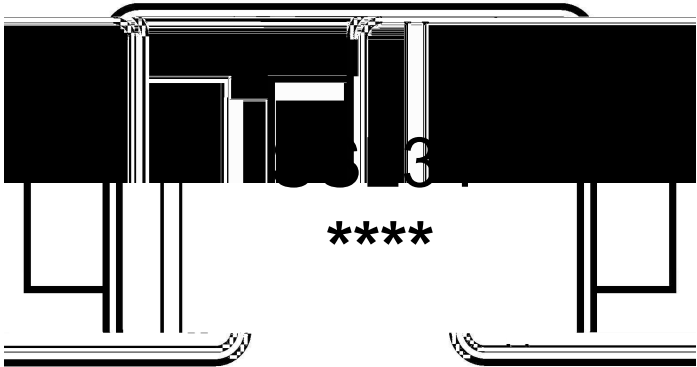
SMB



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

, M y f / Marking Instructions



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Note:

9 9 2 y Product Type Code

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

