

/ Descriptions

40~60V

2.0A SMAF

Surface Mount Schottky Barrier Rectifier, Reverse Voltage: 40 to 60 V, Forward Current:2.0A ,SMAF package.

/ Features

Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications,For surface mounted applications.Halogen free product.

/ Applications

General purpose.

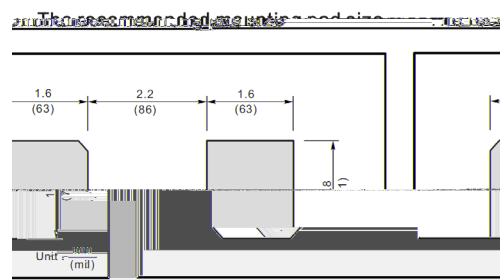
/ Equivalent Circuit



/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode



/ Marking

See Marking Instructions.

SSL24F~SSL26F

Rev.B May.-2019

Parameter	Symbol	Rating		Unit
		SSL24F	SSL26F	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	40	60	V
Maximum RMS voltage	V_{RMS}	28	42	V
Maximum DC Blocking Voltage	V_{DC}	40	60	V
Maximum Average Forward Rectified Current	$I_F (AV)$	2.0		A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	50		A
Typical Junction Capacitance ¹⁾	C_i	290	130	pF
Typical Thermal Resistance ²⁾	$R_{\theta JA}$	70		



/ Electrical Characteristic Curve

Fig.1 Forward Current Derating Curve

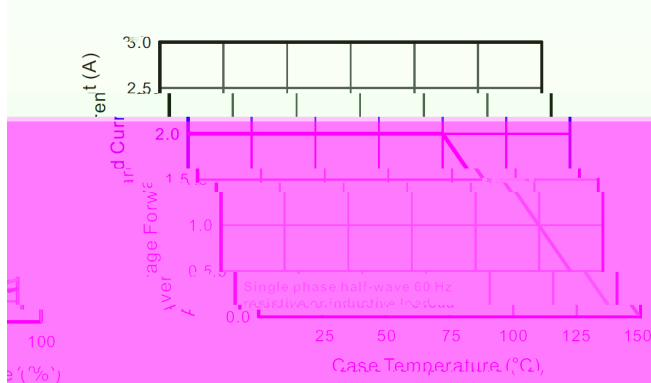


Fig.2 Typical Reverse Characteristics

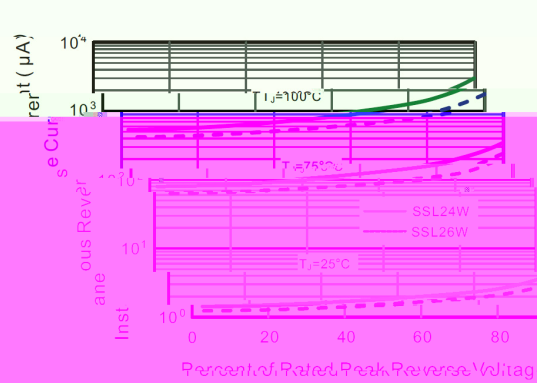


Fig.3 Typical Forward Characteristic

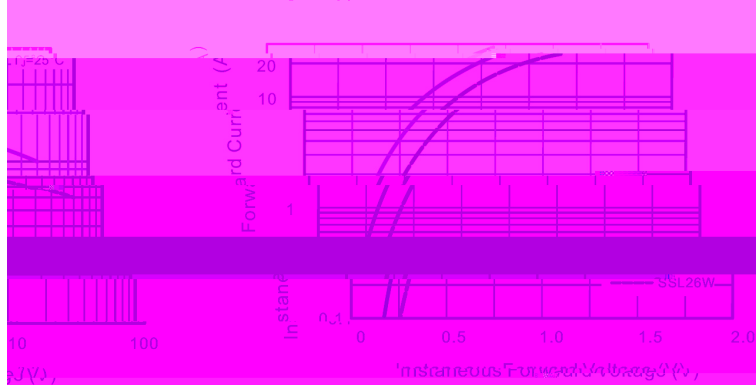


Fig.4 Typical Junction Capacitance

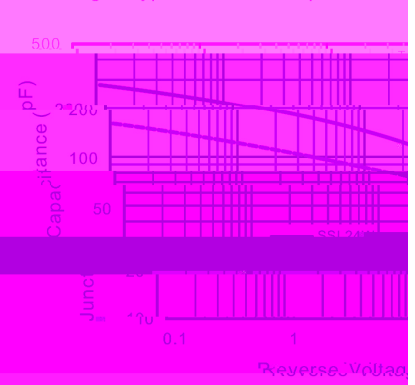


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

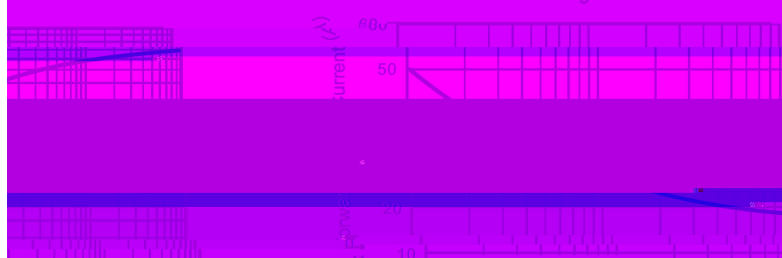
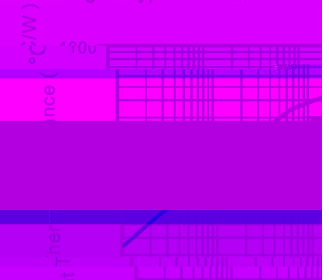
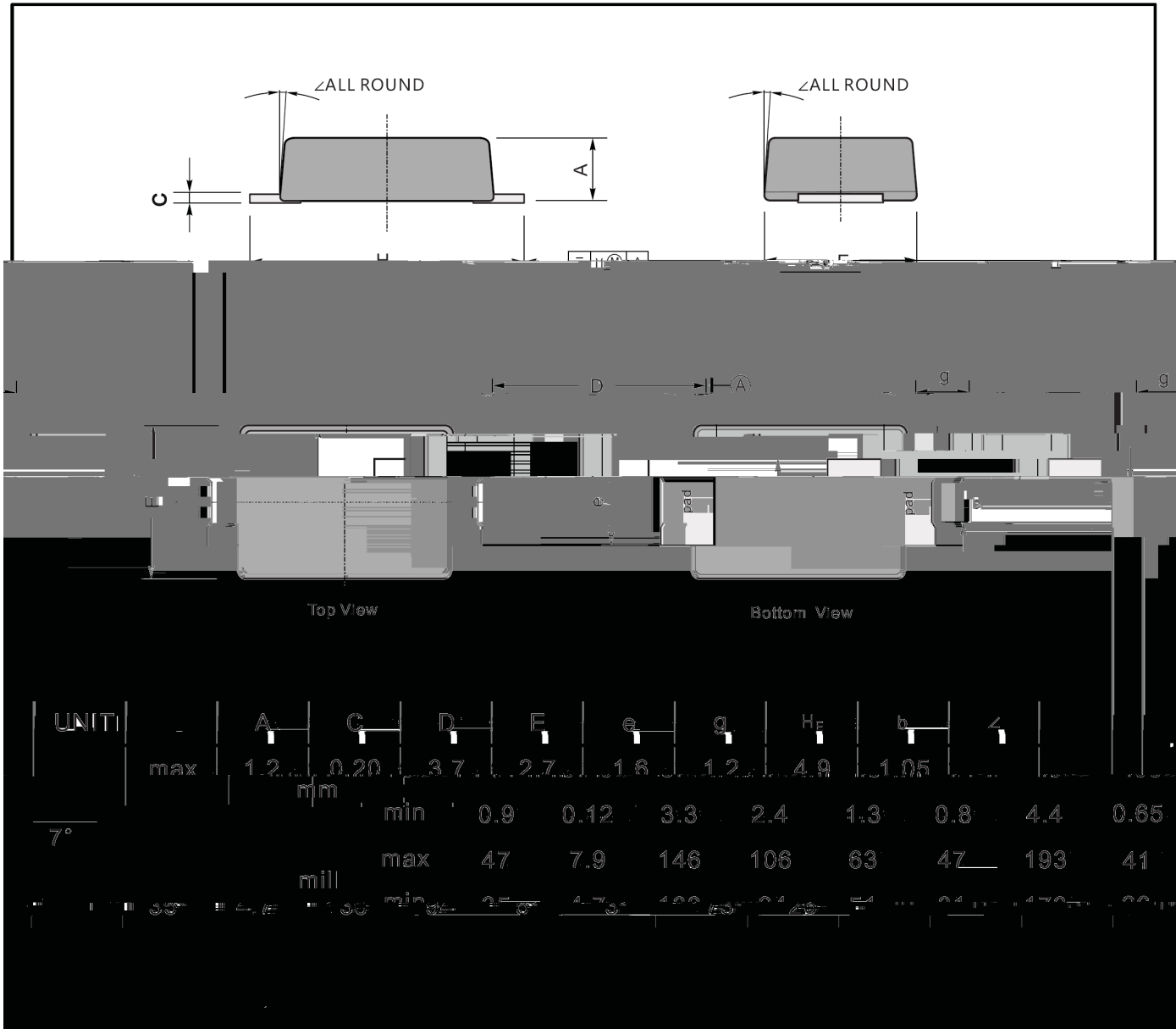


Fig.6 Typical Transient Thermal Resistance



/ Package Dimensions





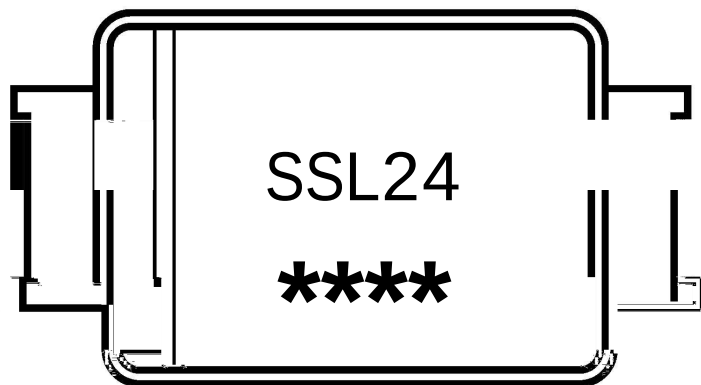
/ Marking Instructions

Marking

Type number	Marking code
SSL24F	SSL24
SSL26F	SSL26



/ Marking Instructions



SSL24

1 *

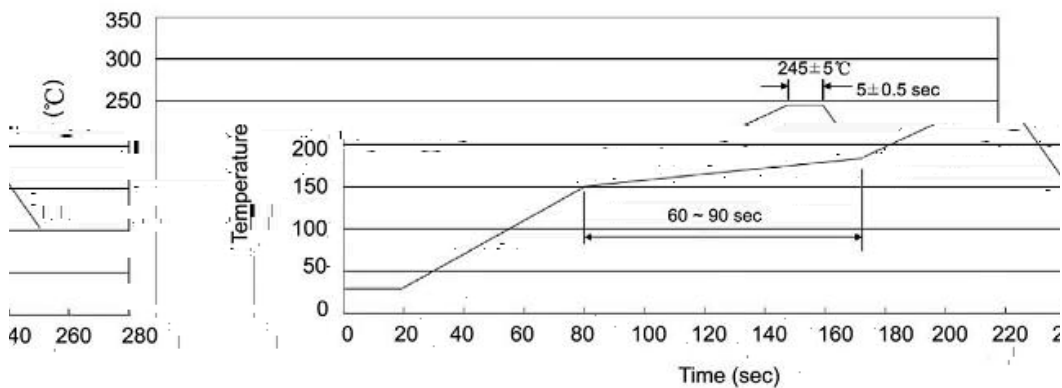
3 *

Note:

SSL24 Product Type Code

**** Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot No Code

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



Note:

- 1

150 180

60 90sec;
- 2

245±5

5±0.5sec;
- 3

2 10

/sec.
- 1.Preheating:150~180

, Time:60~90sec.
- 2.Peak Temp.:245±5

, Duration:5±0.5sec.
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)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SMAF	3000	5	15000	5	75000	7" ×11	185X180X105	550X220X210

/ Notices