



# SSL24A THRU SSL210A

## Surface Mount Schottky Rectifier

### Typical Applications

For use in low voltage high frequency inverters, freewheeling, DC/DC converters, and polarity protection applications.

### Mechanical Data

#### Package

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

**Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

**Polarity:** Cathode line denotes the cathode end

### Maximum Ratings ( $T_a=25$ Unless otherwise specified) 8 1 , 7

			6 6 / \$	6 6 / \$	6 6 / \$
Device marking code			SSL24A	SSL26A	SSL210A
Repetitive peak reverse voltage	$V_{RRM}$	V	40	60	100
Average rectified output current @60Hz sine wave, resistance load, TL (FIG.1)	$I_O$	A	2.0		
Surge(non-repetitive)forward current @ 60Hz half-sine wave,1 cycle, $T_a=25$	$I_{FSM}$	A	50		
Storage temperature	$T_{stg}$		-55 ~+150		
Junction temperature	$T_j$		-55 ~+150		

### Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	SSL24A	SSL26A	SSL210A
Maximum instantaneous forward voltage drop per diode	$V_F$	V	$I_{FM}=2.0A$	0.47	0.55	0.75
Maximum DC reverse current at rated DC blocking voltage per diode@ $V_{RM}=V_{RRM}$	$I_{RRM}$	mA	$T_a=25$	0.50		
			$T_a=100$	10		

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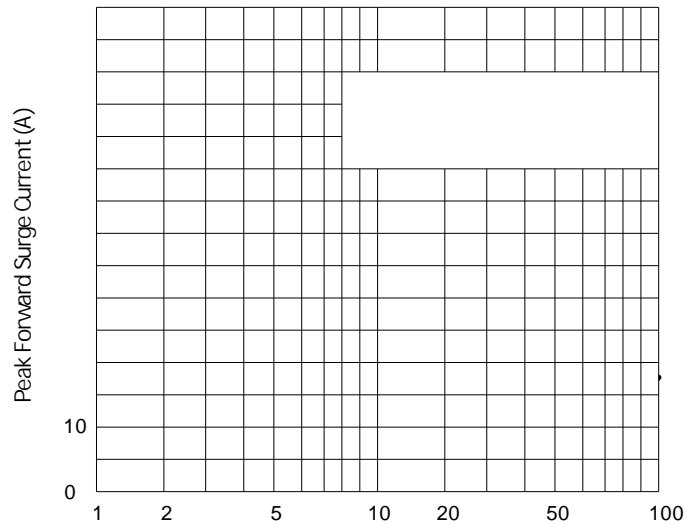
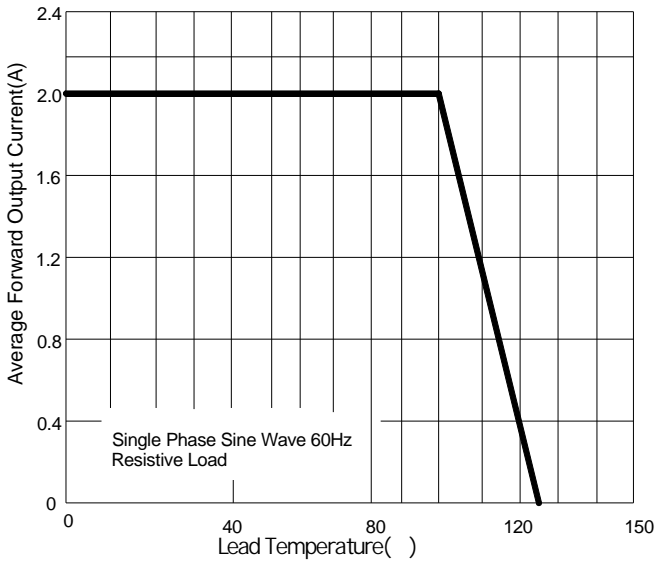
## Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	SSL24A	SSL26A	SSL210A
Thermal resistance	$R_{J-A}$	/W	60 <sup>1)</sup>		
	$R_{J-L}$		20 <sup>1)</sup>		

Note  
 (1) Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

## Characteristics (Typical)

FIG1  $I_o$  TL Curve





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### Ordering Information (Example)

PREFERED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
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