



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)

			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		

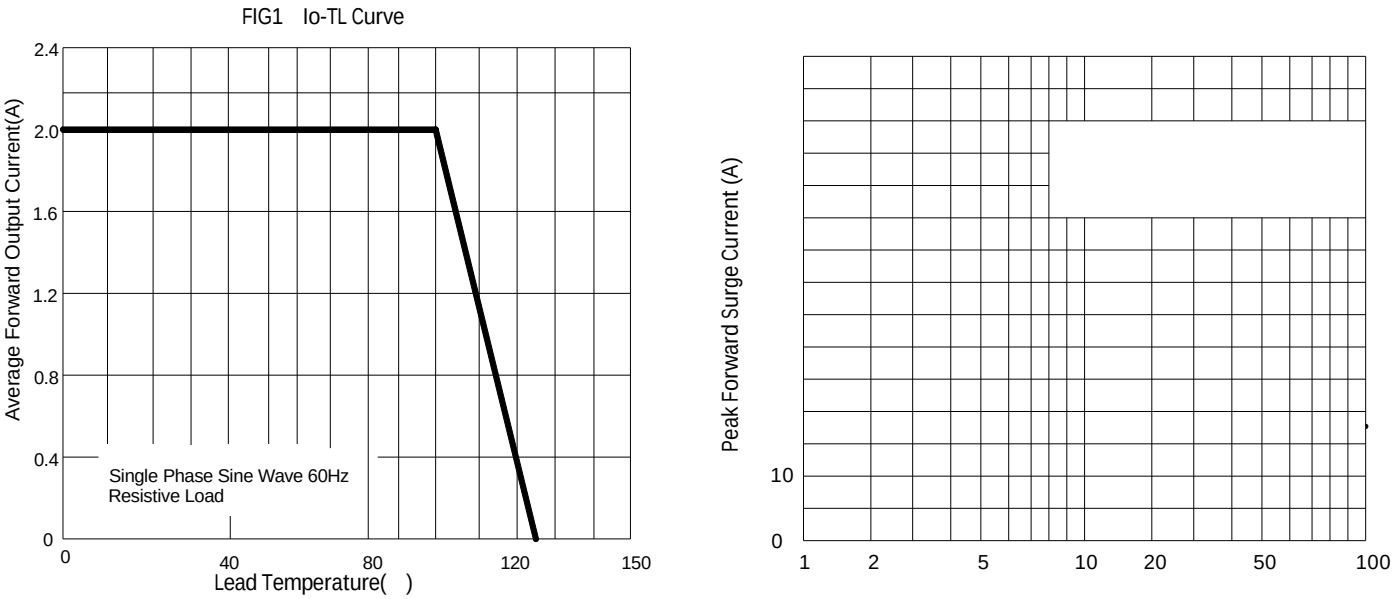
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■ Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	SSL24A	SSL26A	SSL210A
Thermal resistance	$R_{\theta J-A}$	/W	60 ⁽¹⁾		
	$R_{\theta J-L}$		20 ⁽¹⁾		

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)





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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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