



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

			SSL24A	SSL26A	SSL210A
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		

SSL24A THRU SSL210A

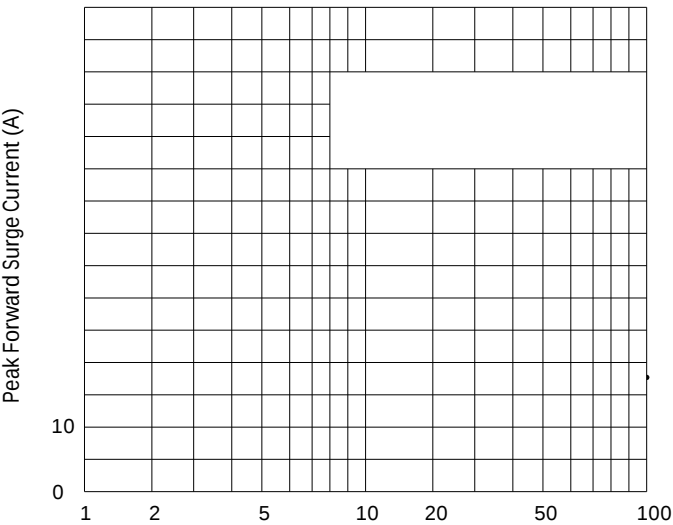
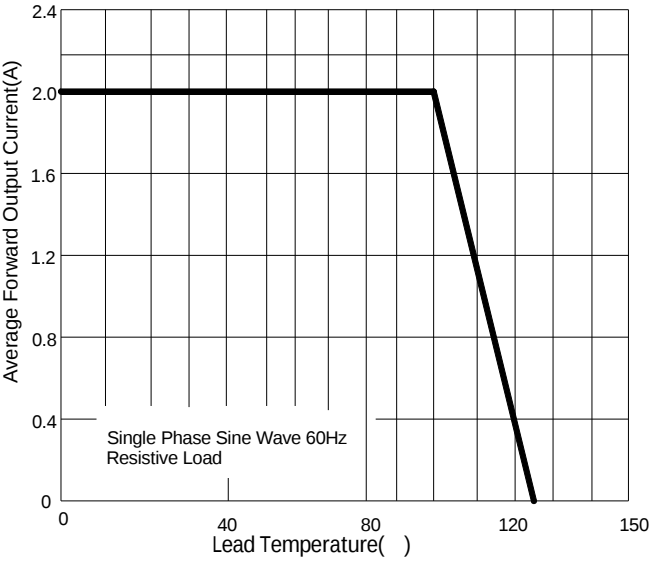
■ Thermal Characteristics $T_a=25$ Unless otherwise specified

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)

FIG1 Io-TL Curve





SSL24A THRU SSL210A

■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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