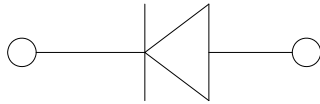
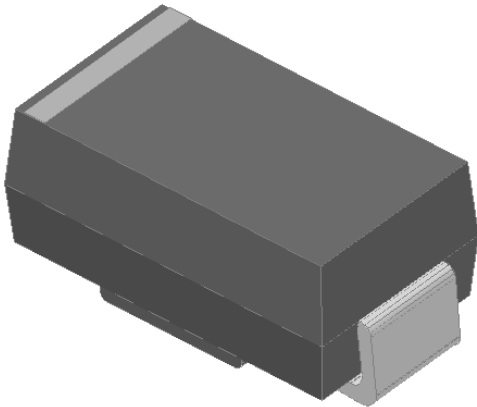


Surface Mount Schottky Rectifier



Features

- Low profile package
- Ideal for automated placement
- Guardring for overvoltage protection
- Low power losses, high efficiency
- Low VF
- High forward surge capability
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

Typical Applications

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

Mechanical Data

- **Package:** DO-214AC (SMA)
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 (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	SSL14A	SSL16A	SSL110A
Device marking code			SSL14A	SSL16A	SSL110A
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	1.0		
Surge(non-repetitive)forward current @ 60Hz half-sine wave, 1 cycle, Ta=25	I_{FSM}	A	28		
Storage temperature	T_{stg}		-55 ~+150		
Junction temperature	T_j		-55 ~+150		

■Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	SSL14A	SSL16A	SSL110A
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM}=1.0A$	0.45	0.55	0.6
Maximum DC reverse current at rated DC blocking voltage per diode@ $V_{RM}=V_{RRM}$	I_{RRM}	mA	Ta=25	0.5		
			Ta=100	10		

Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS



SSL14A THRU SSL110A

Disclaimer