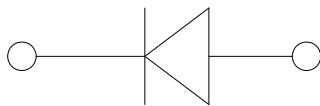
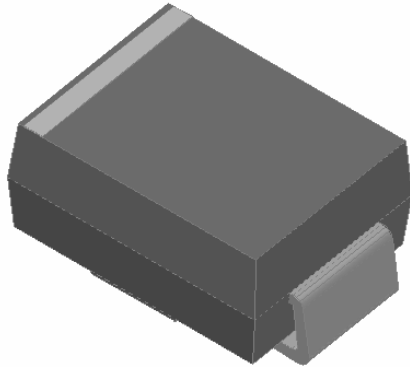


Surface Mount Schottky Rectifier



Features

- Low profile package
- Ideal for automated placement
- Guardring for overvoltage protection
- Low power losses, high efficiency
- 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-214AA (SMB)
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

PARAMETER	SYMBOL	UNIT	SS310BA
Device marking code			SS310BA
Repetitive peak reverse voltage	V _{RRM}	V	100
Average rectified output current @60Hz half-sine wave,1 cycle, T _a =25	I		
	F _{SM}	A	100
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	SS310BA
Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} =3.0A	0.85
Maximum DC reverse current at rated DC blocking voltage per diode @ V _{RM} =V _{RRM}	I _{RRM}	mA	T _a =25	0.10
			T _a =100	10

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

Note2:Pulse test:pulse width 40mS



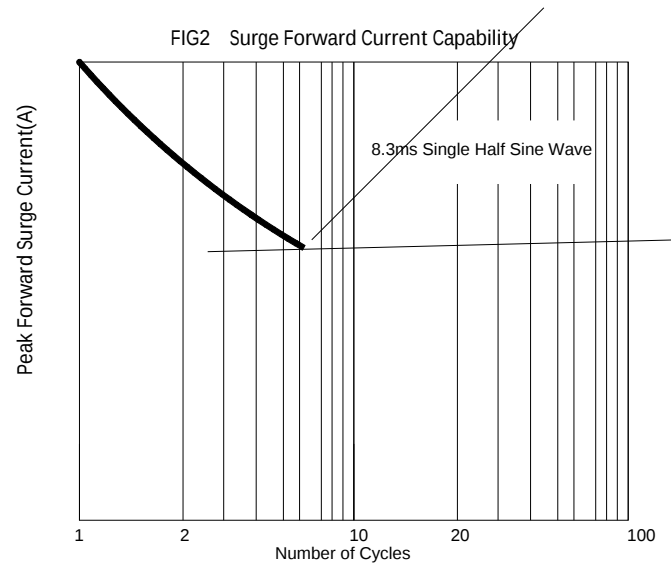
SS310BA

■ Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	SS310BA
Thermal resistance	$R_{\theta J-A}$	/W	55 ⁽¹⁾
	$R_{\theta J-C}$		20 ⁽¹⁾

Note:
(1) Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16mm) copper pad areas

■ Characteristics(Typical)





■Ordering Information (Example)

PREFERED P/N	PACKING
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