

Schottky Rectifier

Features

- Low power loss
- Low forward voltage drop
- Guardring for overvoltage protection
- Extremely fast switching
- High frequency operation
- High forward surge capability
- Solder dip maximum peak of 275 °C /7s ,
 per JESD 22-B106

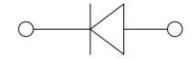


For use in low voltage high frequency inverters,
freewheeling, DC/DC converters, and polarity
protection
applications.

Mechanical Data

- Package: DO-201AD(DO-27)
 Molding compound meets UL 94 V-0 flammability
 rating,RoHS-compliant
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Color Band denotes cathode end





■ Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	Unit	Conditions	SR5100L

SR5100L



Schottky Rectifier

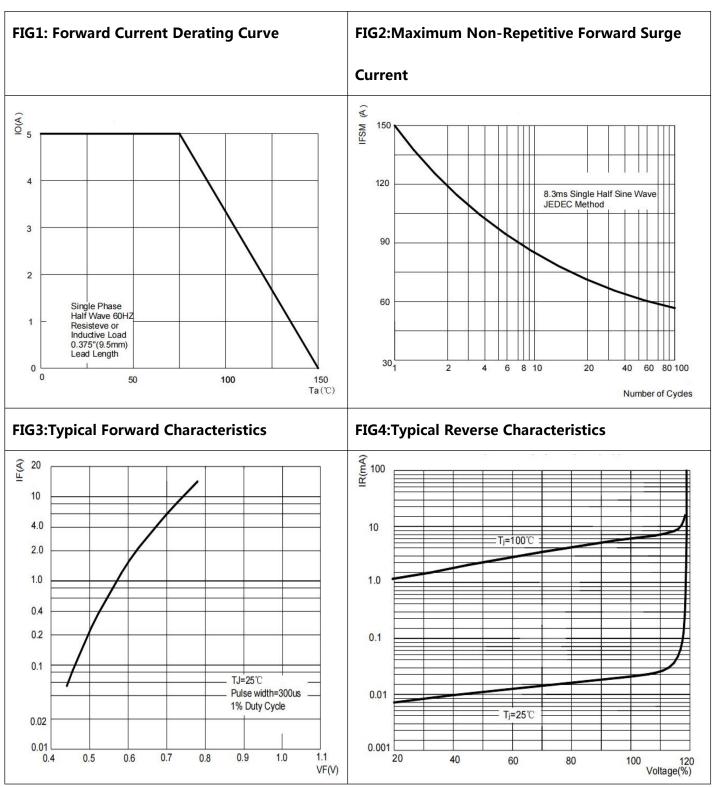
X X + σ φ				
Repetitive Peak Reverse Voltage	VRRM	V		100
Average Rectified Output Current	I _{F(AV)}	ι Δ	60HZ Half-sine wave, Resistance load, Ta=75℃	5.0
Surge(Nonrepetitive)Forward Current	İFSM	Α	60HZ sine wave, 1 cycle, Ta=25℃	150
Storage Temperature	Tstg	°C		-55 ~ + 150
Junction Temperature	T _j	°C		-55 ~ + 150

Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	Unit	Conditions		SR5100L	
Peak Forward Voltage	VFM	V	I _{FM} =3.0A		0.75	
Dook Doverso Current	I _{RRM1}	- mA	V _{RM} =V _{RRM}	Ta=25℃	0.2	
eak Reverse Current	I _{RRM2}			Ta=100°C	5	
Thermal Resistance(Typical)	R өJ-A	°C/W	Between junction and ambient		20	
	RøJ-L		Between junction and lead		15	
Typical junction capacitance	Cj	pF	Measured at 1 MHZ and Applied		270	
	C)	ρι	Reverse Voltage of 4.0 V.D.C		210	



■ Characteristics (Typical)

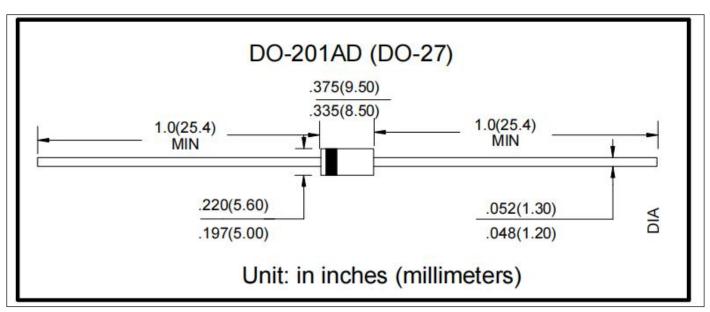




■ Ordering Information (Example)

PREFERED	PACKAGE CODE	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SR5100L	DO-201AD(DO-27)	1250	1250	12500	Tape

■ Outline Dimensions



SR5100L





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SR5100L



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