

DO-201AD Axial Schottky Barrier Rectifier

Features

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

Applications

These Schottky barrier diodes are designed for high speed switching applications, circuit protection, and voltage clamping.

Mechanical Data

- Case: DO-201AD
Molding compound meets UL 94V-0 flammability rating
- Terminals: Solder plated, solderable per MIL-STD-202, Method 208 guaranteed
- Polarity: Cathode line denotes the cathode end

Function Diagram

Reverse Voltage

150-200 V

Forward Current

5 Ampere

DO-201AD



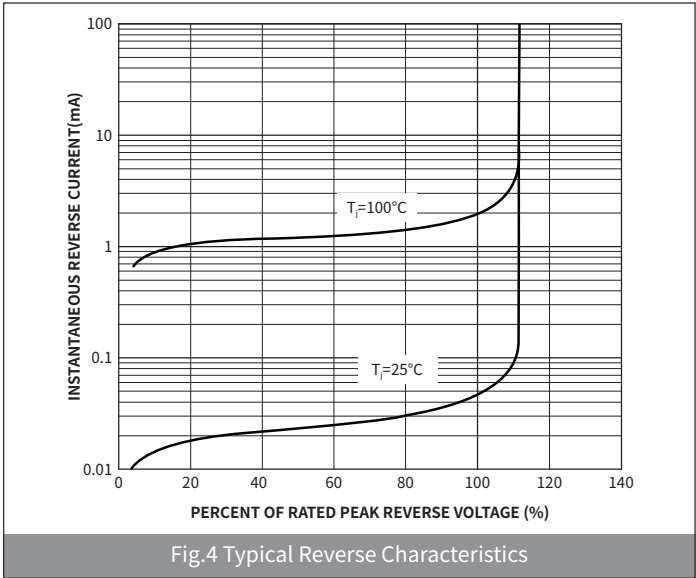
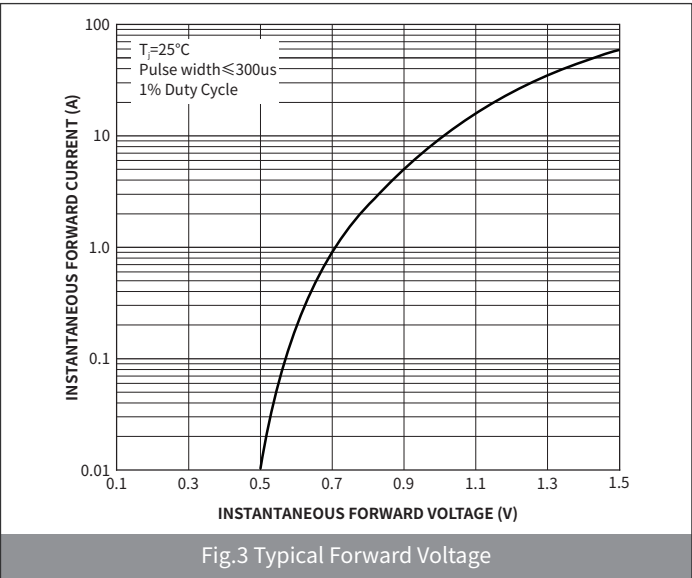
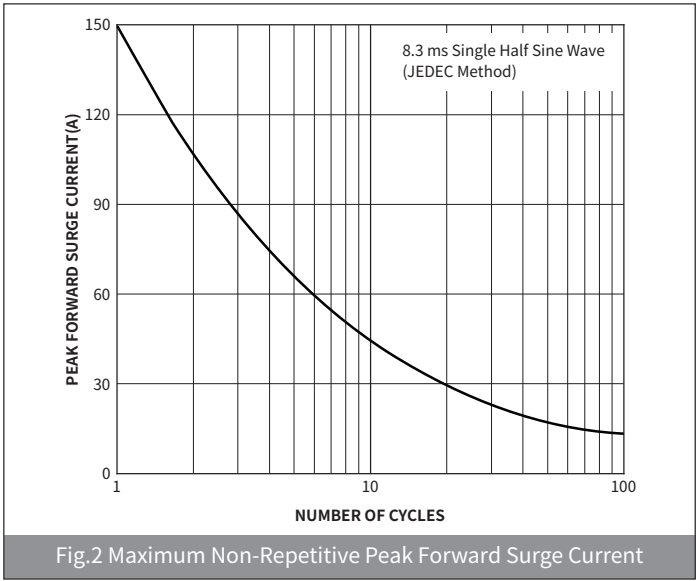
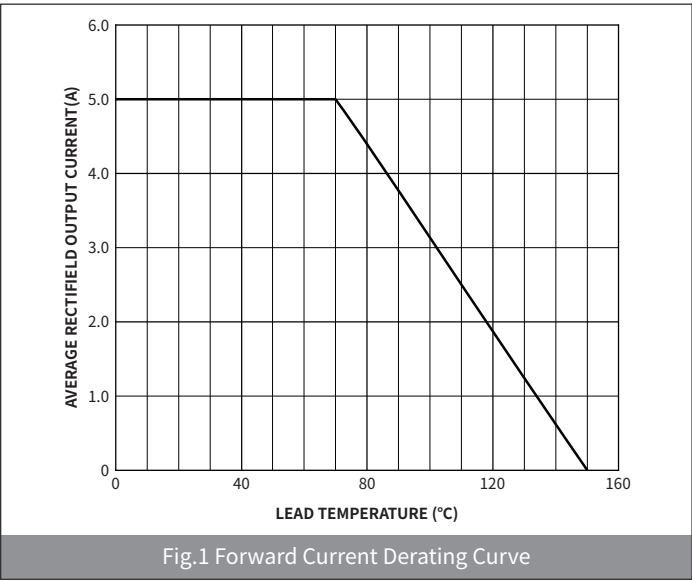
Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	SR5150	SR5200
Device marking code			SR5150	SR5200
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	150	200
Maximum RMS Voltage	V_{RMS}	V	105	140
Maximum DC blocking Voltage	V_{DC}	V	150	200
Maximum Average Forward Rectified Current @60Hz sinewave, Resistance load, TL (Fig.1)	$I_{F(AV)}$	A	5.0	
Non-repetitive Peak Forward Surge Current @ t=8.3ms Half-sine wave	I_{FSM}	A	150	
Storage temperature	T_{stg}	°C	-55 ~ +150	
Junction temperature	T_j	°C	-55 ~ +150	
Typical Thermal Resistance	$R_{\theta J-A}$	°C /W	25	
	$R_{\theta J-L}$	°C /W	12	

● Electrical Characteristics (Ta=25°C Unless otherwise noted)

PARAMETER	TEST CONDITIONS	SYMBOL	UNIT	SR5150	SR5200
Maximum instantaneous forward voltage	$I_F=5.0A$	V_F	V	0.92	
Maximum DC reverse current at rated DC blocking voltage	$V_R=V_{DC}, T_A=25^{\circ}C$	I_{R1}	mA	0.02	
	$V_R=V_{DC}, T_A=100^{\circ}C$	I_{R2}		2	
Typical junction capacitance	4.0V DC, 1MHz	C_J	pF	380	

● Ratings And Characteristics Curves (Ta=25°C Unless otherwise specified)



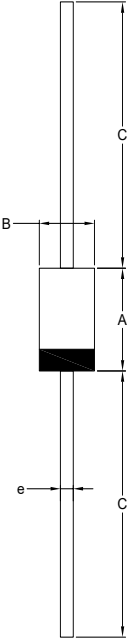
SR5150 THRU SR5200

AXIAL SCHOTTKY BARRIER RECTIFIER

● Ordering Information

PACKAGE	UNIT WEIGHT(g)	BOX(pcs)	CARTON(pcs)
DO-201AD	0.954	1200	12000

● Package Outline Dimensions (DO-201AD)

	Symbol	Dimensions			
		Millimeters		Inches	
		Min.	Max.	Min.	Max.
	A	7.200	9.500	0.285	0.375
	B	5.000	5.600	0.197	0.220
	C	25.400	-	1.000	-
	e	1.150	1.250	0.046	0.050