

Schottky Barrier Rectifier

Reverse Voltage - 150V

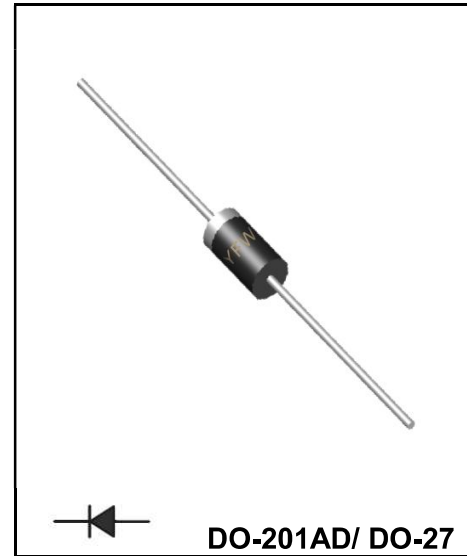
Forward Current - 10 A

FEATURES

- ♦The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ♦Low reverse leakage
- ♦High forward surge current capability
- ♦High temperature soldering guaranteed 260 °C/10 seconds at terminals

MECHANICAL DATA

- ♦Case: DO-201AD/DO-27
- ♦Terminals: Solderable per MIL-STD-750, Method 2026
- ♦Approx. Weight: 0.98g / 0.0345oz



Maximum Ratings Ta=25 °C unless otherwise specified

Parameter	Symbols	Value	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	150	V
Maximum RMS voltage	V_{RMS}	105	V
Maximum DC Blocking Voltage	V_{DC}	150	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	10	A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave superimposed on rated load per diode	I_{FSM}	150	A
Operating Temperature Range	T_J	-65 ~ +150	°C
Storage Temperature Range	T_{STG}	-65 ~ +150	°C
Typical thermal resistance	$R_{\theta JC}$	25	°C/W

Electrical Characteristics Ta=25 unless otherwise specified

Characteristics		Symbols	Value		Units
Maximum instantaneous forward voltage at $I_{F(AV)}$		V_F	Typ	Max	V
at $I_F=10A$ Instantaneous forward voltage per diode	$T_J=25^{\circ}C$		0.76	0.84	
	$T_J=125^{\circ}C$		0.74	0.80	
Maximum Reverse Current at Rated DC Blocking Voltage	$T_J=25^{\circ}C$	I_R	0.1	-	mA
	$T_J=100^{\circ}C$		10	-	

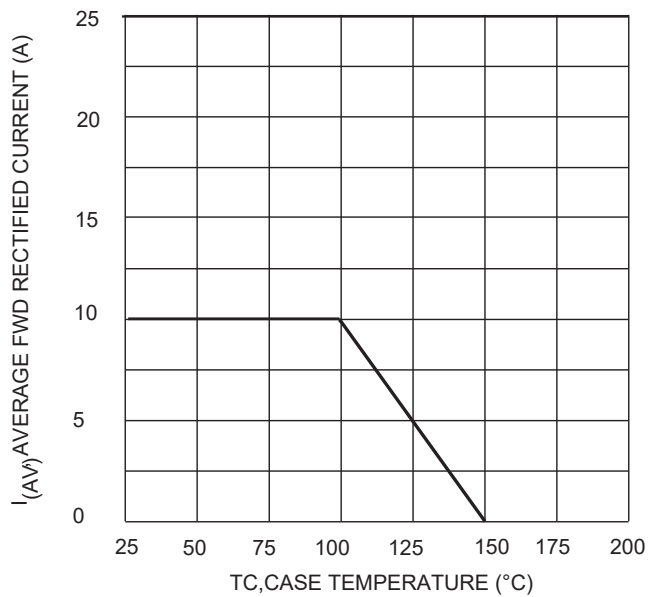


Fig. 1 Forward Derating Curve

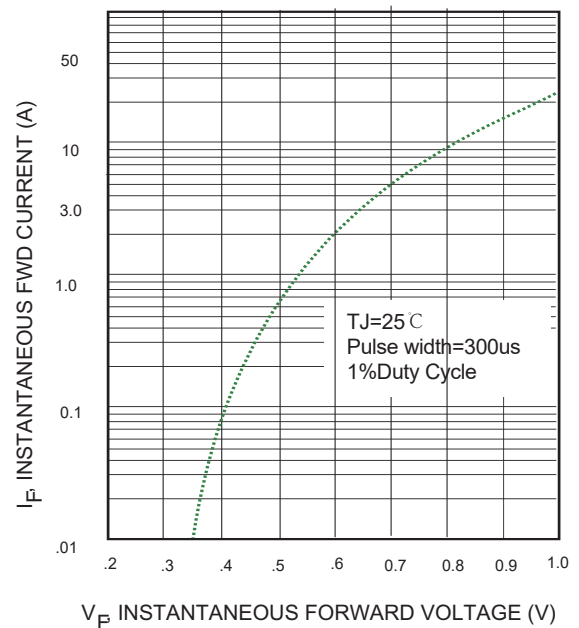


Fig. 2 Typical Forward Characteristics

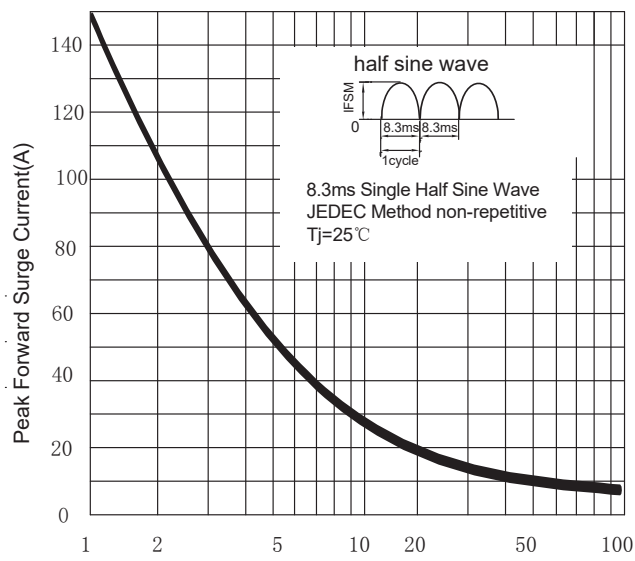


Fig. 3 Peak Forward Surge Current

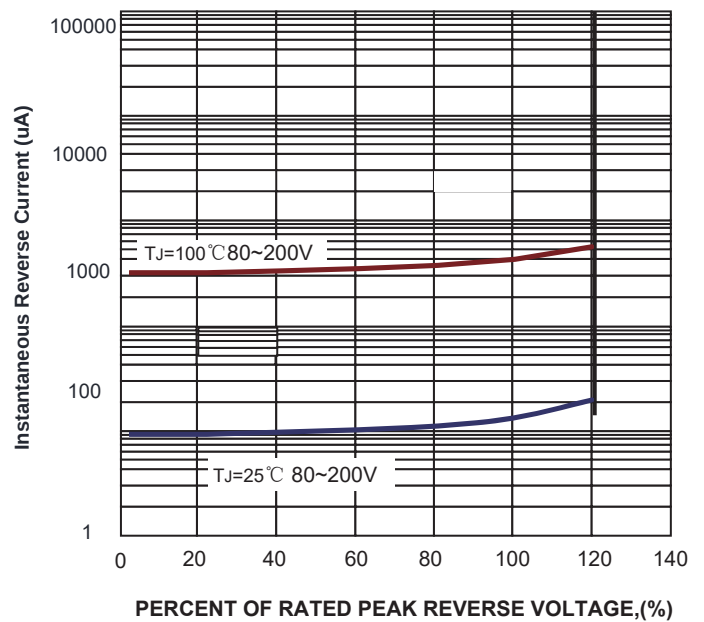


FIG.4-TYPICAL FORWARD CHARACTERISTICS

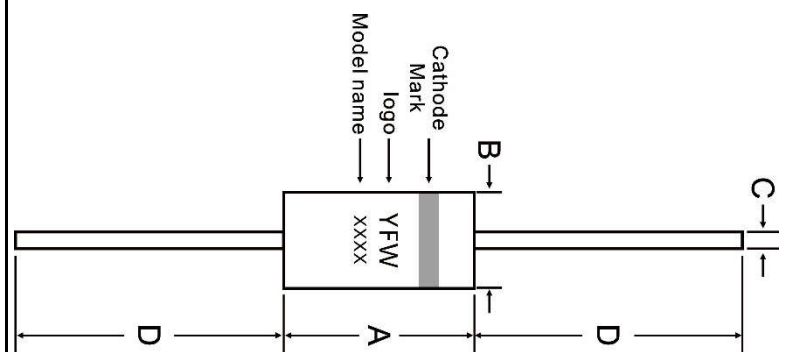
Ordering information

Package	Packing Description	Packing Quantity
DO-201AD/DO-27	bulk	250PCS/500PCS/Inner Box 12500PCS/Carton
	ammo pack	1000PCS/1250PCS/Inner Box 10000PCS/12500PCS/Carton

Package Dimensions

DO-201AD/DO-27

Dim.	Millimeter(mm)		INCHES	
	Min.	Max.	Min.	Max.
A	7.20	9.50	0.285	0.375
B	5.0	5.6	0.190	0.220
C	1.20	1.30	0.048	0.052
D	24.0	26.6	0.945	1.047



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