

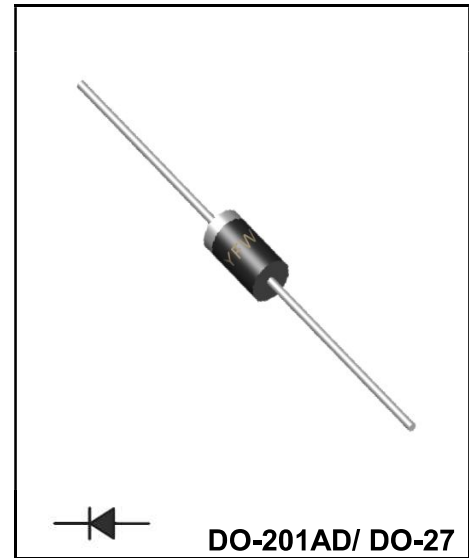
Schottky Barrier Rectifier

Reverse Voltage - 150V

Forward Current - 10 A

Features And Mechanical Data

- ◆ Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- ◆ Metal silicon junction ,majority carrier conduction
- ◆ Guard ring for over voltage protection
- ◆ Low power loss high efficiency
- ◆ High current capability ,Low forward voltage drop High surge capability
- ◆ For use in low voltage ,high frequency inverters,free wheeling ,and polarity protection applications
- ◆ High temperature soldering:260°C MAX at 10 seconds,per JESD 22-B106 or MIL-STD-750,method 2026
- ◆ Case: JEDEC DO-27(D0-201AD) molded plastic body



Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%.

Device Marking	Symbols	YFW10L150	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	150	Volts
Maximum RMS Voltage	V_{RMS}	105	Volts
Maximum DC Blocking Voltage	V_{DC}	150	Volts
Maximum Average Forward Rectified Current. Lead Length @Ta(Fig 1)	I_(AV)	10.0	Amp
Peak Forward Surge Current,8.3ms single half- sine-wave superimposed on rated load (JEDEC method) (Rating of per diode)	I_{FSM}	150	Amp
Maximum instantaneous forward voltage at I(AV)	V_F	0.84	Volts
Maximum DC reverse current at rated DC blocking voltage per T _j =25°C T _j =100°C	I_R	0.1	mA
		10	
Typical Thermal Resistance	R_{θJC}	25	°C/W
Junction Temperature	T_J	-65 to +150	°C
Storage Temperature Range	T_{STG}	-65 to +150	°C

*This product The above data sheet typical data meet the Mentioned standards,designers for reference only

RATINGS AND CHARACTERISTIC CURVES

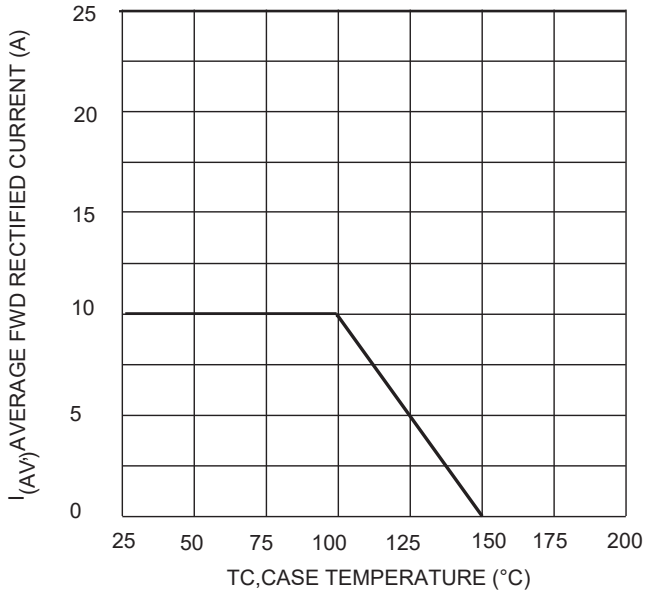


Fig. 1 Forward Derating Curve

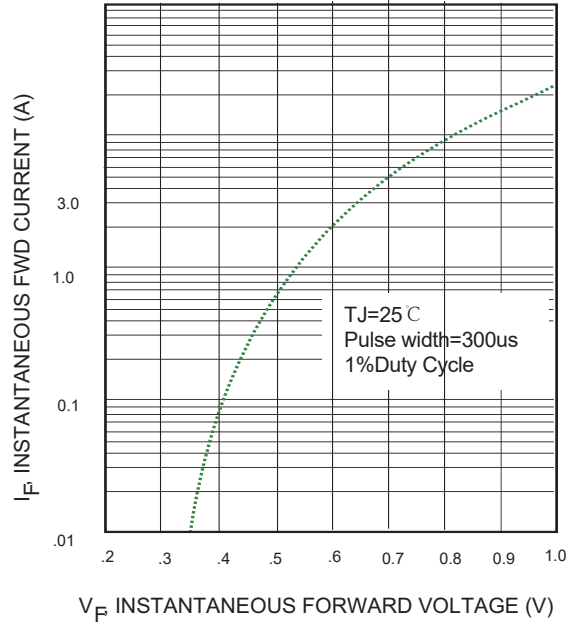


Fig. 2 Typical Forward Characteristics

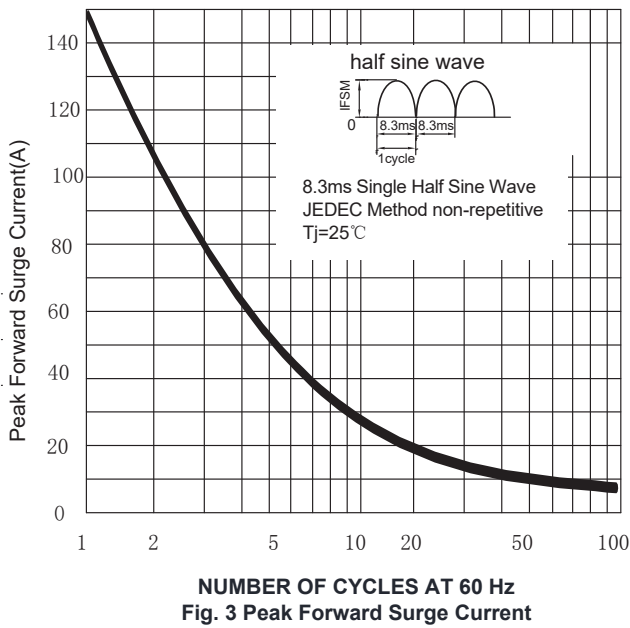


Fig. 3 Peak Forward Surge Current

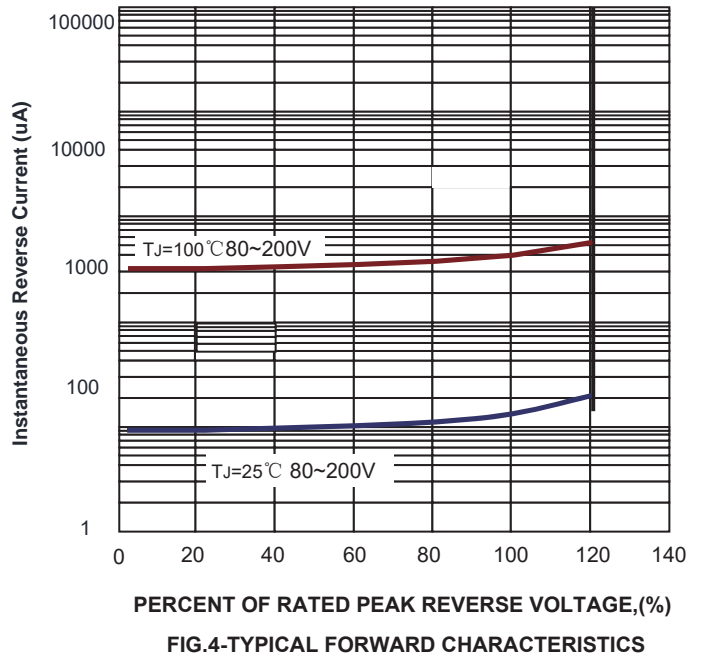


FIG.4-TYPICAL FORWARD CHARACTERISTICS

Ordering information

Package	Packing Description	Packing Quantity
DO-201AD/DO-27	bulk	250PCS/500PCS/Box 25000PCS/Carton
	braid	1000PCS/1250PCS/Box 10000PCS/Carton/12500PCS/Carton

Package Dimensions

DO-201AD/DO-27

Dim.	Millimeter(mm)		INCHES	
	Min.	Max.	Min.	Max.
A	-	9.50	-	0.370
B	-	6.40	-	0.250
C	1.20	1.30	0.048	0.052
D	25.4	-	1.00	-

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