

VOLTAGE RANGE: 50-200

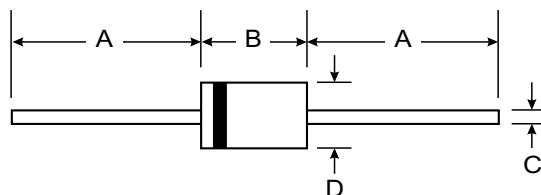
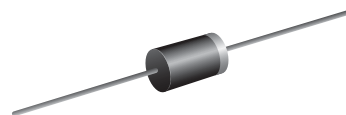
CURRENT: 3.0 A

Features

- High current capability
- High surge current capability
- High reliability
- Low reverse current
- Low forward voltage drop
- Super fast recovery time

Mechanical Data

- Case : DO-201AD Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 1.21 grams



DO-201AD		
Dim	Min	Max
A	25.40	—
B	7.20	9.50
C	1.20	1.30
D	4.80	5.30
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	BYW98-50	BYW98-100	BYW98-150	BYW 98-200	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	150	200	Volts
Maximum Average Forward Current	I _{F(AV)}	3.0				Amps.
Maximum Peak Forward Surge Current	I _{FSM}	70				Amps.
Maximum Forward Voltage at I _F = 3 Amps. ; T _J = 100 °C	V _F	0.85				Volt
Maximum Reverse Current at V _{RRM} , T _J = 100 °C	I _R	1.0				mA
Maximum Reverse Recovery Time , T _J = 25 °C (1)	T _{rr}	35				ns
Junction Temperature Range	T _J	- 65 to + 150				°C
Storage Temperature Range	T _{STG}	- 65 to + 150				°C

NOTE : (1) Reverse Recovery Test Conditions : I_F = 0.5A , I_R = 1A , I_{rr} = 0.25A

FIG.1 - REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

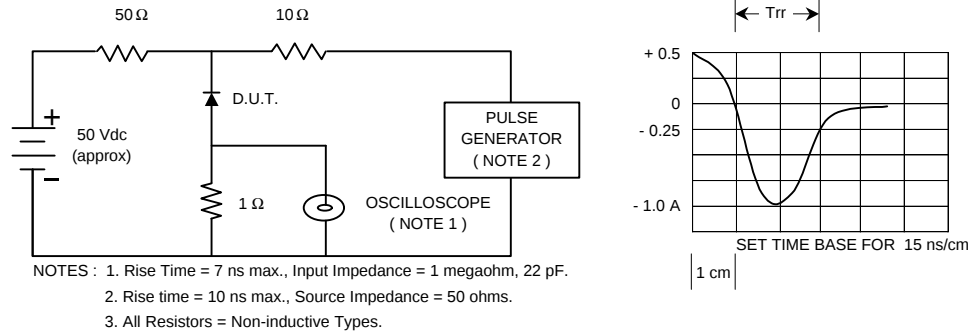


FIG.2 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

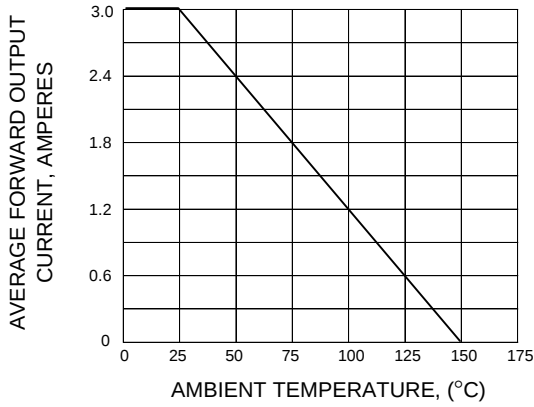


FIG.3 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

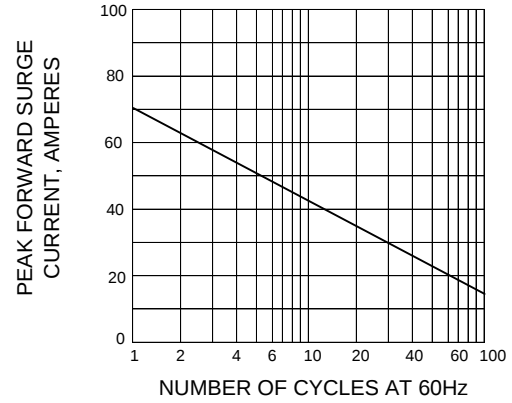


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

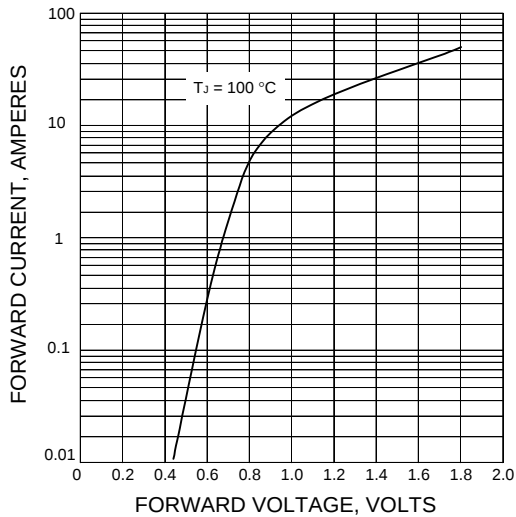


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

