

### Features

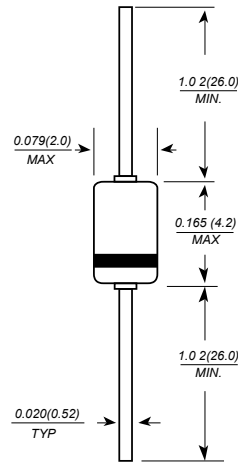
- High switching speed: max. 4 ns
- Continuous reverse voltage: max. 50 V
- Repetitive peak reverse voltage: max. 55 V

### Mechanical Data

- Case: DO-35, glass case
- Polarity: Color band denotes cathode
- Weight: 0.005 ounces, 0.14 grams



### DO-35(GLASS)



Dimensions in millimeters

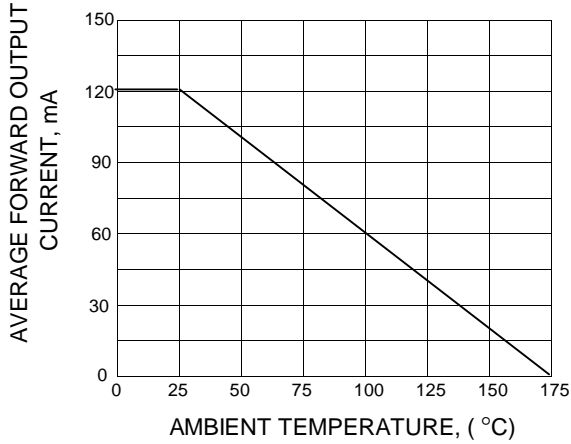
### Maximum Ratings and Electrical Characteristics @ T<sub>A</sub> = 25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	55	V
Maximum Continuous Reverse Voltage	V <sub>RM</sub>	50	V
Maximum Average Forward Current	I <sub>F</sub>	120	mA
Maximum Peak Forward Current	I <sub>FM</sub>	350	mA
Maximum Power Dissipation	P <sub>D</sub>	300	mW
Maximum Non-repetitive Peak Forward Current	I <sub>FSM</sub>	500	mA
Maximum Junction Temperature	T <sub>J</sub>	175	°C
Storage Temperature Range	T <sub>S</sub>	-65 to + 175	°C

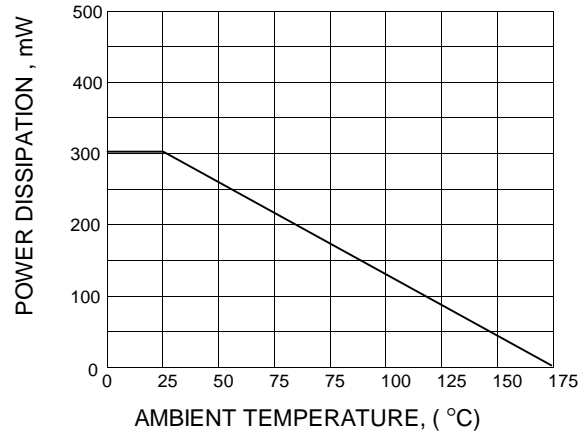
  

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 50 V	-	-	0.5	μA
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 100 mA	-	-	1.2	V
Capacitance between terminals	C <sub>T</sub>	f = 1MHz ; V <sub>R</sub> = 0.5 V	-	-	2.0	pF
Reverse Recovery Time	T <sub>rr</sub>	I <sub>F</sub> = 10 mA , V <sub>R</sub> = 6 V R <sub>L</sub> = 50 Ω	-	-	4.0	ns

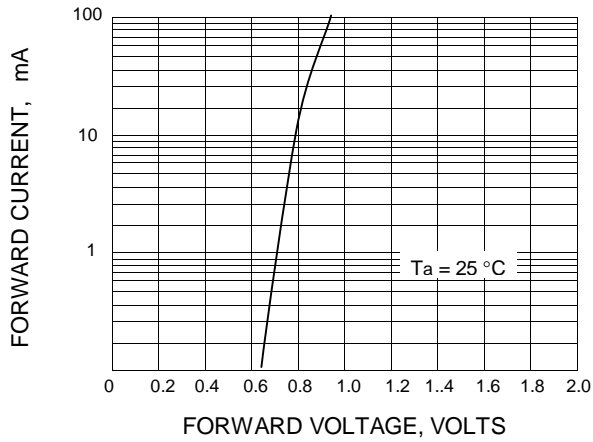
**FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT**



**FIG.2 - POWER DERATING CURVE**



**FIG.3 - TYPICAL FORWARD CHARACTERISTICS**



**FIG.4 - TYPICAL REVERSE CHARACTERISTICS**

