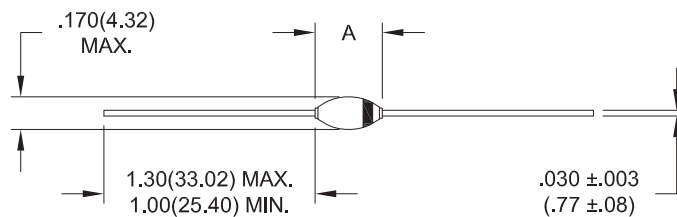


High Voltage Diodes - Axial Lead

50mA - 420mA • 30ns - 50ns • Hermetic

| ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS | | | | | | | | | | | | | | |
|--|--|--|----------|---|-------|--------------------------------------|-----|---|---|--|---------------------------------------|--------|--------|--|
| Part Number | Working Reverse Voltage (V _{rwm}) | Average Rectified Current (I _o) | | Reverse Current @ V _{rwm} (I _r) | | Forward Voltage (V _f) | | 1 Cycle Surge Current t _p =8.3ms (I _{fsm}) | Repetitive Surge Current (I _{frm}) | Reverse Recovery Time (3) (T _{rr}) | Thermal Impedance θ _{J-L} | | | Junction Cap. @50VDC @ 1kHz (C _j) |
| | | 55°C(1) | 100°C(2) | 25°C | 100°C | 25°C | | 25°C | 25°C | 25°C | 25°C | L=.000 | L=.125 | L=.250 |
| | Volts | mA | mA | µA | µA | Volts | mA | Amps | Amps | ns | °C/W | °C/W | °C/W | pF |
| X20FF3 | 2000 | 420 | 210 | 1.0 | 20 | 7.5 | 420 | 16.0 | 3.0 | 30 | 5 | 12 | 22 | 4.0 |
| X50FF3 | 5000 | 150 | 75 | 1.0 | 20 | 12.5 | 150 | 10.0 | 1.0 | 30 | 5 | 12 | 22 | 3.0 |
| X100FF3 | 10000 | 80 | 40 | 1.0 | 20 | 25.0 | 80 | 2.0 | 0.5 | 30 | 5 | 12 | 22 | 2.0 |
| X150FF3 | 15000 | 50 | 25 | 1.0 | 20 | 37.5 | 50 | 1.6 | 0.3 | 30 | 5 | 12 | 22 | 2.0 |
| X20FF5 | 2000 | 420 | 210 | 1.0 | 20 | 7.5 | 420 | 16.0 | 3.0 | 50 | 5 | 12 | 22 | 4.0 |
| X50FF5 | 5000 | 150 | 75 | 1.0 | 20 | 12.5 | 150 | 10.0 | 1.0 | 50 | 5 | 12 | 22 | 3.0 |
| X100FF5 | 10000 | 80 | 40 | 1.0 | 20 | 25.0 | 80 | 2.0 | 0.5 | 50 | 5 | 12 | 22 | 2.0 |
| X150FF5 | 15000 | 50 | 25 | 1.0 | 20 | 37.5 | 50 | 1.6 | 0.3 | 50 | 5 | 12 | 22 | 2.0 |

(1)TL=55°C L=0.375" (2)TL=100°C L=0.375" (3)I_f=125mA, I_{rr}=250mA, I_{rr}=63mA *Op.Temp.= -65°C to +175°C Stg.Temp.= -65°C to +200°C



| Part | A |
|-----------|-----------------|
| X20FF(X) | .240(6.10) MAX. |
| X50FF(X) | .260(6.60) MAX. |
| X100FF(X) | .320(8.13) MAX. |
| X150FF(X) | .360(9.14) MAX. |

Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



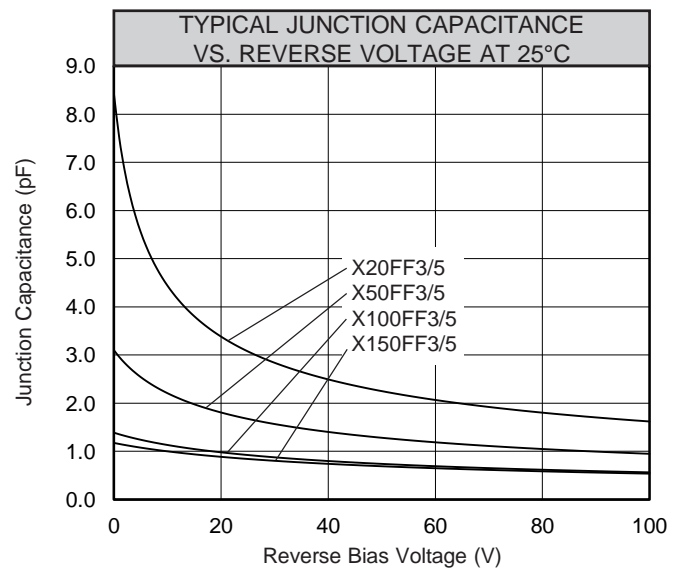
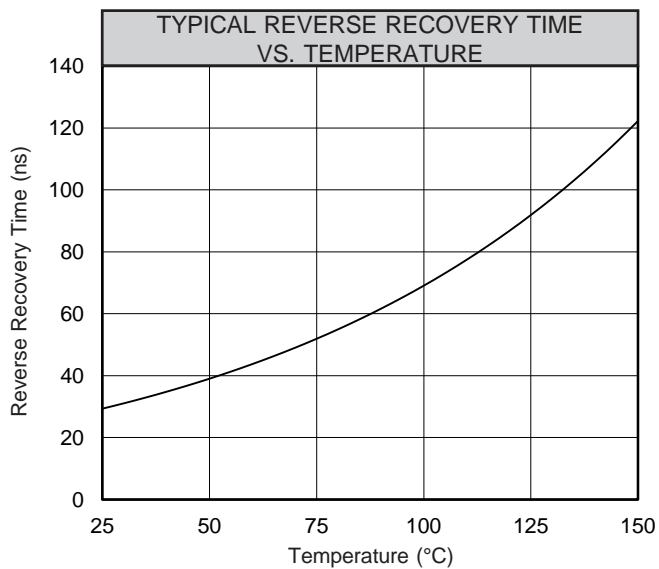
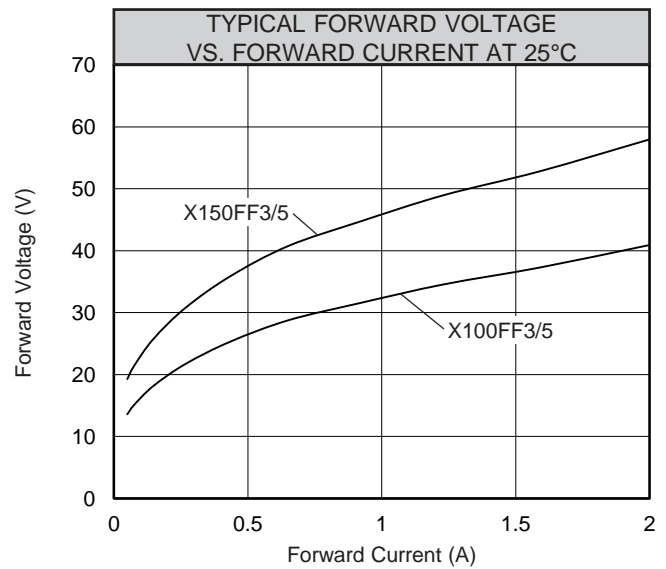
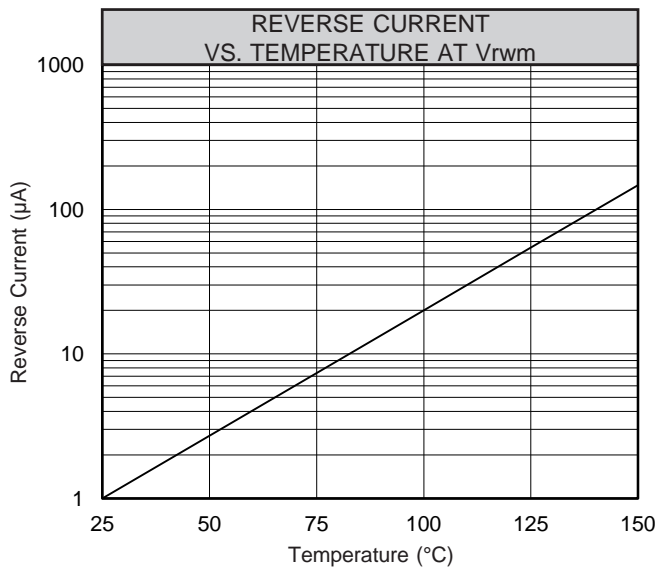
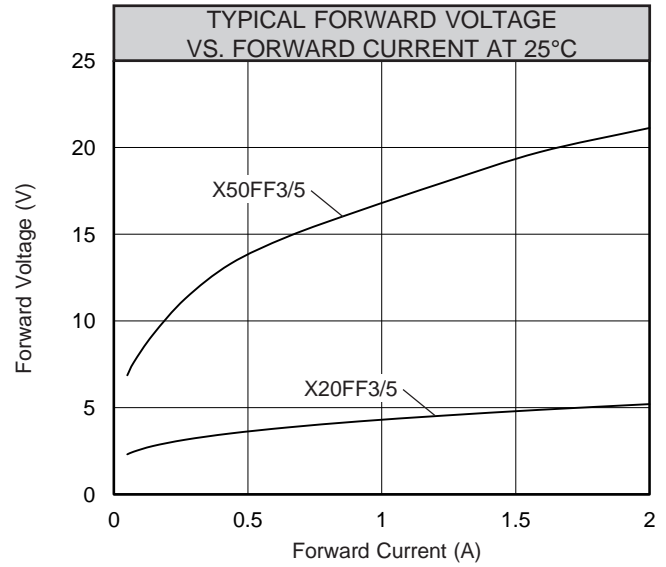
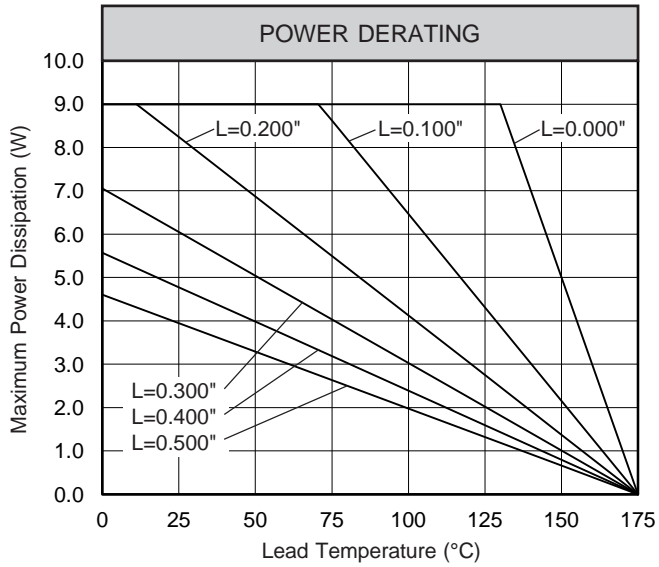
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X20FF3/5 X50FF3/5 X100FF3/5 X150FF3/5



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