



## High Voltage, Fast Recovery Diode

- Low Leakage Current
- High Surge Current Capable
- High Temp Metallurgically Bonded Construction
- Hermetically Sealed
- Low Forward Voltage
- High Current Capable
- Very Fast Recovery Time
- Cavity-Free, Glass Passivated

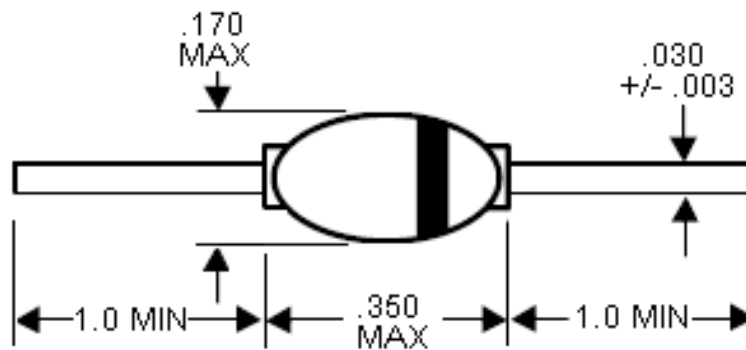


|                                  |                 |
|----------------------------------|-----------------|
| Average Rectified Current*       | 150mA           |
| **                               | 75mA            |
| 1 Cycle Surge Current (tp=8.3ms) | 10A             |
| Repetitive Surge Current         | 2A              |
| Junction Capacitance***          | 3 pF            |
| Storage Temperature              | -65°C to +200°C |
| Operating Temperature            | -65°C to +175°C |

\*\*\*50VDC, 1kHz

| Part Number | Working Peak Reverse Voltage<br>$V_{RWM}$ | Reverse Current (Max)<br>$I_R @ V_{RWM}$ |                   | Max Forward Voltage<br>$V_f @ I_f$ |       | Reverse Recovery Time<br>( $t_{rr}$ )<br>* |
|-------------|-------------------------------------------|------------------------------------------|-------------------|------------------------------------|-------|--------------------------------------------|
|             |                                           | $T_c=25^\circ C$                         | $T_c=100^\circ C$ | $T_c=25^\circ C$                   |       | $T_A=25^\circ C$                           |
| PD40A       | 5000V                                     | 1 $\mu A$                                | 20 $\mu A$        | 8V                                 | 100mA | 200ns                                      |

\*  $I_F = 0.125A$ ,  $I_{RM} = .25A$ ,  $I_{R(REC)} = 0.63A$

Ph: (603) 964-3165 Fx: (603) 964-3168 Web: [WWW.PDEELECTRONICS.COM](http://WWW.PDEELECTRONICS.COM)