## OD4028 - XC Series

**Frame & Impeller**
- PBT, UL94V-0 plastic

**Connection**
- 2x Lead wires

**Motor**
- Brushless DC, auto restart, polarity protected.

**Bearing System**
- Dual ball bearing

**Insulation Resistance**
- Min. 10M at 500VDC

**Dielectric Strength**
- 1 minute at 500 VAC, max leakage < 500 MicroAmp

**Temperature Range**
- -10°C ~ 70°C

**Storage Temperature**
- -40°C ~ +80°C

### Available Options:
- Tachometer
- Alarm
- PWM
- Life Expectancy (L10)
  - 50,000 hours (40°C)

**Weight**
- ~ 0.09 lbs

### DC Fan - 12V, High Speed

- **Part Number**
  - OD4028-12HB-XC
- **Nominal Voltage**
  - 12 VDC
- **Voltage Range**
  - 7 ~ 13.2 VDC
- **Nominal Current**
  - 0.7 A
- **Start-up Voltage**
  - 7.0 VDC
- **Rated Power**
  - 10.2 W
- **Rated Speed (RPM)**
  - 20,000
- **Airflow (CFM)**
  - 22.5
- **Noise Level (dB)**
  - 61
- **Max. Static Pressure**
  - 2.60" H2O
## OD4028 - XC Series

**DC Fan - 12V, High Speed**  
40x28mm (1.58” x 1.10”)

### Frame & Impeller
- PBT, UL94V-0 plastic

### Connection
- 3x Lead wires

### Motor
- Brushless DC, auto restart, polarity protected.

### Bearing System
- Dual ball bearing

### Insulation Resistance
- Min. 10M at 500VDC

### Dielectric Strength
- 1 minute at 500 VAC, max leakage < 500 MicroAmp

### Temperature Range
- -10C ~ +70C

### Storage Temperature
- -40C ~ +80C

### Available Options:
- **Alarm**
- **PWM**
- **Life Expectancy (L10)**  
  70,000 hours (40C)
- **Weight:** ~ 0.09 lbs
- **Red +**
- **Black -**
- **White Tachometer**

### DC Fan - 12V, High Speed 40x28mm

<table>
<thead>
<tr>
<th>Frame &amp; Impeller</th>
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<td>Connection</td>
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<tr>
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<tr>
<td>Dielectric Strength</td>
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### Part Number
- OD4028-12HBXC01A

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**Orion Fans**  
RoHS Compliant  
TUV Information and data is subject to change without prior notification.