Fan, DC Types, 40 x 40mm

Features
- High Speed
- Ball Bearings
- 26 AWG Red (+) and Black (−) Leads
- 11.8" (300mm) Lead Length

**DC OPERATED**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>77-401D012</td>
<td>12</td>
<td>0.10A</td>
<td>1.24</td>
<td>7000</td>
<td>7.73</td>
<td>36dB(A)</td>
<td>F1a</td>
</tr>
<tr>
<td>77-401D024</td>
<td>24</td>
<td>0.10A</td>
<td>1.24</td>
<td>7000</td>
<td>7.73</td>
<td>36dB(A)</td>
<td>F1a</td>
</tr>
<tr>
<td>77-402D012</td>
<td>12</td>
<td>0.14A</td>
<td>1.66</td>
<td>7500</td>
<td>8.13</td>
<td>35dB(A)</td>
<td>F1b</td>
</tr>
<tr>
<td>77-402D024</td>
<td>24</td>
<td>0.08A</td>
<td>1.93</td>
<td>7500</td>
<td>8.13</td>
<td>35dB(A)</td>
<td>F1b</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
<thead>
<tr>
<th>FAN TYPE</th>
<th>DESCRIPTION</th>
<th>NTE TYPE NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 X 40mm</td>
<td>Fan Guard, Metal</td>
<td>77-MG40</td>
</tr>
<tr>
<td>40 X 40mm</td>
<td>Fan Filter, 3-Piece w/Cover</td>
<td>77-FF40</td>
</tr>
</tbody>
</table>

**Specifications**

**Electrical Characteristics**
- **Insulation Resistance:** 10 MΩ Min. (at 500VDC) between frame and positive terminal.
- **Dielectric Strength:** 500VAC, 1 minute; 600VAC, 1 sec at 5mA Max. between frame and positive terminal.
- **Life Expectancy:** Approx. 70000 hours at rated voltage, +40°C, 15% to 65% RH.

**Mechanical Characteristics**
- **Frame:** Thermoplastic, Black, UL94V−0.
- **Impeller:** Thermoplastic, Black, UL94V−0.
- **Bearing:** 2 Ball Bearings.
- **Weight:** Approx. 16g (10mm); 29g (20mm).

**Environmental Characteristics**
- **Operating Temperature:** −10°C to +70°C.
- **Storage Temperature:** −40°C to +75°C.
- **Operating Humidity:** 35% to 85% RH.
- **Storage Humidity:** 35% to 85% RH.

**Protection**
- **Polarity:** Damage will not occur for up to 10 minutes with positive and negative leads connected in reverse.
- **Locked Rotor:** Within 72 hours of a rotor locking condition, at the rated voltage and operating temperature, the impedance of the motor winding will protect the motor from damage.