3375 - 6mm Square Encoder

**Electrical Characteristics**

- Output: 2-bit gray code, Channel A leads Channel B by electrically turning clockwise (CW)
- Closed Circuit Resistance: 5 ohms maximum
- Rating: TTL compatible loads
- Insulation Resistance (500 VDC): 1,000 megohms minimum
- Dielectric Withstanding Voltage: 900 VAC minimum
- Electrical Travel: Continuous
- Contact Bounce: 5 milliseconds maximum
- RPM (Operating): 120 maximum

**Environmental Characteristics**

- Temperature Range: -55ºC to +125ºC
- Vibration: 30G maximum
- Contact Bounce: 5 milliseconds maximum
- Shock: 100G maximum
- Rotational Life: 100,000 cycles

**Mechanical Characteristics**

- Mechanical Angle: Continuous
- Torque: 5 oz-in. maximum
- Marking: Manufacturer's symbol and model number, product code, terminal style, date code

**Features**

- Miniature package for design flexibility
- Long operating life
- High operating temperature capabilities
- Conductive plastic element
- Bushing or PC board mount
- Quadrature output

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**Part Numbering System**

<table>
<thead>
<tr>
<th>Model Number Designator</th>
<th>3375 = 6mm Encoder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal Style Designator</td>
<td>C = In-line Straight Terminals Side Exit</td>
</tr>
<tr>
<td></td>
<td>P = 5.08mm x 2.54mm Triangular Pattern Rear Exit</td>
</tr>
<tr>
<td></td>
<td>Y = 5.08mm x 5.08mm Triangular Pattern Rear Exit</td>
</tr>
<tr>
<td>Shaft End Designator</td>
<td>D = Shaft End Slotted</td>
</tr>
<tr>
<td>Shaft Length Designator</td>
<td>0 = 12.7mm FMS Long Plastic Shaft (Use with bushing versions only)</td>
</tr>
<tr>
<td>Bushing Designator</td>
<td>1 = 6.35mm x 6.35mm Plastic</td>
</tr>
<tr>
<td>Pulses per Revolution Code</td>
<td>006 = 6 ppr</td>
</tr>
</tbody>
</table>

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Specifications are subject to change without notice.
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COMMON DIMENSIONS

3375C

3375P

3375Y

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