Passive Speed Sensors

General Purpose

Ordering Part # | Thread Length (A) | (Select cable from group "A", see index)
--- | --- | ---
70085-1010-001 | 1.125 (28.57) |
70085-1010-003 | 2.625 (66.67) |
70085-1010-018 | 3.625 (92.07) |
70085-1010-118 | 5.000 (127.00) |

Specifications:
- Output Voltage (Standard): 40 V (P-P)
- Output Voltage (Guarantee Point): 3.4 V (P-P)
- DC Resistance: 130 ohms max.
- Typical Inductance: 33 mH ref.
- Output Polarity: Pin 'B' positive
- Operating Temperature: -55 to +107°C
- Net Weight: 5 oz. max.

High Sensitivity

Ordering Part # | Thread Length (A) | (Select cable from group “A”, see index)
--- | --- | ---
70085-1010-002 | 1.125 (28.57) |
70085-1010-175 | 2.625 (66.67) |
70085-1010-026 | 3.625 (92.07) |
70085-1010-408 | 5.000 (127.00) |

Specifications:
- Output Voltage (Standard): 150 V (P-P)
- Output Voltage (Guarantee Point): 12.9 V (P-P)
- DC Resistance: 1500 ohms max.
- Typical Inductance: 360 mH ref.
- Output Polarity: Pin 'B' positive
- Operating Temperature: -55 to +107°C
- Net Weight: 5 oz. max.

Dimensions in inches and (mm).
Passive Speed Sensors

**Full Thread – High Sensitivity**

<table>
<thead>
<tr>
<th>Ordering Part #</th>
<th>Thread Length (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70085-8080-003</td>
<td>1.80 (45.72)</td>
</tr>
<tr>
<td>70085-1010-220</td>
<td>3.06 (77.72)</td>
</tr>
</tbody>
</table>

**Performance Curves**

Based on 20 D.P. Gear

**Specifications:**
- Output Voltage (Standard): 150 V (P-P)
- Output Voltage (Guarantee Point): 12.8 V (P-P)
- DC Resistance: 1430 ohms max.
- Typical Inductance: 500 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -55 to + 107°C
- Lead Length: -003,12 in (30.5 cm) -220,36 in (91.4 cm)
- Net Weight: 3 oz. max.

**Molded – High Sensitivity**

<table>
<thead>
<tr>
<th>Ordering Part #</th>
<th>Thread Length (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70084-1713-111</td>
<td>1.125 (28.57)</td>
</tr>
</tbody>
</table>

(Select cable from group “A”, see index)

**Performance Curves**

Based on 20 D.P. Gear

**Specifications:**
- Output Voltage (Standard): 190 V (P-P)
- Output Voltage (Guarantee Point): 13.9 V (P-P)
- DC Resistance: 1200 ohms max.
- Typical Inductance: 400 mH ref.
- Output Polarity: Pin ‘B’ positive
- Operating Temperature: -40 to +150°C
- Net Weight: 2 oz. max.

*Dimensions in inches and (mm).*
Passive Speed Sensors

General Purpose

<table>
<thead>
<tr>
<th>Ordering Part #</th>
<th>Thread Length (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70085-1010-007</td>
<td>.812 (20.62)</td>
</tr>
<tr>
<td>70085-1010-056</td>
<td>3.625 (92.08)</td>
</tr>
</tbody>
</table>

Performance Curves

Based on 20 D.P. Gear

Specifications:
- Output Voltage (Standard): 21 V (P-P)
- Output Voltage (Guarantee Point): 1.6 V (P-P)
- DC Resistance: 125 ohms max.
- Typical Inductance: 22 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -55 to +107°C
- Lead Length: 6 in (15.2 cm)
- Net Weight: 2 oz. max.

High Sensitivity

<table>
<thead>
<tr>
<th>Ordering Part #</th>
<th>Thread Length (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70085-1010-086</td>
<td>.812 (20.62)</td>
</tr>
<tr>
<td>70085-1010-355</td>
<td>.812 (20.62)</td>
</tr>
</tbody>
</table>

Performance Curves

Based on 20 D.P. Gear

Specifications:
- Output Voltage (Standard): 55 V (P-P)
- Output Voltage (Guarantee Point): 4.2V (P-P)
- DC Resistance: 960 ohms max.
- Typical Inductance: 125 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -55 to +107°C
- Lead Length: -086, 18 in (45.7 cm)
- Cable Length: -355, 40 in (101.6 cm)
- Net Weight: 2 oz. max.

Dimensions in inches and (mm).
Passive Speed Sensors

**Full Thread – High Sensitivity**

<table>
<thead>
<tr>
<th>Ordering Part #</th>
<th>Thread Length (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70085-1010-120</td>
<td>1.250 (31.75)</td>
</tr>
<tr>
<td>70085-8080-001</td>
<td>1.500 (38.10)</td>
</tr>
</tbody>
</table>

**Performance Curves**

Based on 20 D.P. Gear

**Specifications:**
- Output Voltage (Standard): 55 V (P-P)
- Output Voltage (Guarantee Point): 4.2 V (P-P)
- DC Resistance: 960 ohms max.
- Typical Inductance: 125 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -55 to +107°C
- Lead Length: 6 in (15.2cm)
- Net Weight: 1 oz. max.

**Smooth Body – High Sensitivity**

<table>
<thead>
<tr>
<th>Ordering Part #</th>
<th>Length (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70085-1010-314</td>
<td>1.375 (34.93)</td>
</tr>
<tr>
<td>70085-8080-004</td>
<td>2.500 (63.50)</td>
</tr>
</tbody>
</table>

**Performance Curves**

Based on 20 D.P. Gear

**Specifications:**
- Output Voltage (Standard): 55 V (P-P)
- Output Voltage (Guarantee Point): 4.2 V (P-P)
- DC Resistance: 960 ohms max.
- Typical Inductance: 125 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -30 to +85°C
- Lead Length: 0.04, 6 in (15.2cm)
- Cable Length: 314, 10ft (3.05m)
- Net Weight: 3 oz. max.

*Dimensions in inches and (mm).*
Passive Speed Sensors

High Sensitivity

Ordering Part # | Thread Length (A) | Dimensions in inches and (mm)
--- | --- | ---
70085-1010-037 | .500 | (12.70)
70085-1010-299 | 1.250 | (31.75)

Performance Curves

![Performance Curve Graph]

Based on 20 D.P. Gear

Specifications:
- Output Voltage (Standard): 13 V (P-P)
- Output Voltage (Guarantee Point): .6 V (P-P)
- DC Resistance: 190 ohms max.
- Typical Inductance: 10 mH, ref.
- Output Polarity: White lead positive
- Operating Temperature: -55 to +107°C
- Lead Length: 18 in (45.7 cm)
- Net Weight: 1 oz. max.

General Purpose – High Temperature

Ordering Part # | Thread Length (A) | Dimensions in inches and (mm)
--- | --- | ---
70085-1010-182 | .500 | (12.70)
70085-1010-289 | 1.250 | (31.75)

Performance Curves

![Performance Curve Graph]

Based on 20 D.P. Gear

Specifications:
- Output Voltage (Standard): 6 V (P-P)
- Output Voltage (Guarantee Point): .3 V (P-P)
- DC Resistance: 50 ohms max.
- Typical Inductance: 2 mH, ref.
- Output Polarity: White lead positive
- Operating Temperature: -73 to +150°C
- Lead Length: 18 in (45.7 cm)
- Net Weight: 1 oz. max.

Dimensions in inches and (mm).