Passive Speed Sensors

General Purpose – High Temperature

<table>
<thead>
<tr>
<th>Ordering Part #</th>
<th>Thread Length (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70085-1010-041</td>
<td>.812 (20.62)</td>
</tr>
<tr>
<td>70085-1010-428</td>
<td>1.500 (38.10)</td>
</tr>
<tr>
<td>70085-1010-458</td>
<td>3.625 (92.08)</td>
</tr>
</tbody>
</table>

Performance Curves

Specifications:
- Output Voltage (Standard): 24 V (P-P)
- Output Voltage (Guarantee Point): 2.0 V (P-P)
- DC Resistance: 125 ohms max.
- Typical Inductance: 21 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -73 to +232°C
- Lead Length: 40 in (1 m)
- Net Weight: 2 oz. max.

High Sensitivity - High Temperature

<table>
<thead>
<tr>
<th>Ordering Part #</th>
<th>Thread Length (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70085-1010-174</td>
<td>.812 (20.62)</td>
</tr>
</tbody>
</table>

Performance Curves

Specifications:
- Output Voltage (Standard): 55 V (P-P)
- Output Voltage (Guarantee Point): 3.6V (P-P)
- DC Resistance: 705 ohms max.
- Typical Inductance: 150 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -65 to +220°C
- Cable Length: 60 in (1.5 m)
- Net Weight: 2 oz. max.

Dimensions in inches and (mm).
Passive Speed Sensors

General Purpose - High Temperature

Ordering Part #    Thread Length (A)    (B)    (mm)
70085-1010-024     .687 (17.45)     .313 (7.95)
70085-1010-472 *   .687 (17.45)     .500 (12.70)
70085-1010-227     1.687 (42.85)    .313 (7.95)

Performance Curves

Specifications:
- Output Voltage (Standard): 4.7 V (P-P)
- Output Voltage (Guarantee Point): 0.4 V (P-P)
- DC Resistance: 125 ohms max.
- Typical Inductance: 5-12 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -73 to 232°C
- Lead Length: 8 in (20.3 cm)
- Cable Length: 472, 60 in (1.5 m) *
- Net Weight: 2 oz. max.

* Egress is a 2-conductor, AWG #26, shielded, Teflon cable, with 3" long shrink tubing over housing and cable for extra protection. Extra locknut provided.

Dimensions in inches and (mm).
Passive Speed Sensors

High Sensitivity

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

Performance Curves

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 (inches and mm)
--- | --- | ---
70085-1010-182 | .500 (12.70) |
70085-1010-289 | 1.250 (31.75) |

Performance Curves

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).