| Model Number **3125-10KI-SNF** | ROTARY TORQUE SLIPRING, SHAFT-SHAFT | Revision: NR ECN #: 39799 |
|---|---|---|

| **Performance** | **ENGLISH** | **SI** | | **OPTIONAL VERSIONS** |
|---|---|---|---|---|
| Measurement Range(Full Scale Capacity) | 10K lbf-in | 1130 Nm | | Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. |
| Sensitivity(output at rated capacity) | 2 mV/V | 2 mV/V | | |
| Non-Linearity | ≤ 0.25 % FS | ≤ 0.25 % FS | [2] | |
| Hysteresis | ≤ 0.25 % FS | ≤ 0.25 % FS | [2] | |
| Non-Repeatability | ≤ 0.05 % FS | ≤ 0.05 % FS | [2] | |
| **Environmental** | | | | |
| Overload Limit | 20K lbf-in | 2260 Nm | | |
| Temperature Range(Operating) | 0 to +200 °F | -18 to +93 °C | | |
| Temperature Range(Compensated) | +70 to +150 °F | +21 to +66 °C | | |
| Temperature Effect on Output(Maximum) | ± 0.002 %Reading/°F | ± 0.0018 %Reading/°C | [3] | |
| Temperature Effect on Zero Balance(Maximum) | ± 0.002 %FS/°F | ± 0.002 %FS/°C | [3] | |
| **Electrical** | | | | **NOTES:** |
| Bridge Resistance | 350 Ohm | 350 Ohm | | [1] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS. |
| Excitation Voltage | 10 VDC | 10 VDC | [1] | [2] FS - Full Scale. |
| Insulation Resistance | ≥ 5 GOhm | ≥ 5 GOhm | | [3] Over compensated temperature range. |
| Zero Balance | ≤ 2 % FS | ≤ 2 % FS | [2] | [4] See Outline Drawing 45891 for Complete Dimensions. |
| **Physical** | | | | |
| Size (Housing Diameter x Shaft Length x Housing Length) | 4.00 in x 11.00 in x 5.25 in | 101.6 mm x 279.4 mm x 58.4 mm | [4] | |
| Weight | 9.5 lb | 4.31 Kg | | |
| Mounting | 1 1/2 in Shaft | 38.1 mm Shaft | | |
| Sensing Element | Strain Gage | Strain Gage | | |
| Housing Material | Aluminum | Aluminum | | |
| Shaft Material | Steel | Steel | | |
| Electrical Connector | PT02H-10-6P | PT02H-10-6P | | |
| Maximum Speed | 5000 RPM | 5000 RPM | | |

CE

| Entered: AP | Engineer: JSD | Sales: JC | Approved: DA | Spec Number: |
|---|---|---|---|---|
| Date: 8/29/2012 | Date: 8/29/2012 | Date: 8/29/2012 | Date: 8/29/2012 | **52507** |

*All specifications are at room temperature unless otherwise specified.*
*In the interest of constant product improvement, we reserve the right to change specifications without notice.*

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