The EagleDrive™ is an electromagnetic drive for Micropump Series GA, GB, GJ, GJR, GAF, and CA pumps. This compact, high-performance drive enables our pumps to address a wide range of applications. The EagleDrive™ is an innovative brushless DC motor with no moving parts for outstanding efficiency and reliability. With variable speed operation, a tachometer and error output, and with fwd/rev capabilities, the EagleDrive™ is the right choice for many system designs.

**EAGLEDRI**EVE™ DEMSE

**EAGLEDRI**EVE™ DEELE

**SMALL PACKAGE**
The small package size means the EagleDrive™ is easily integrated into system designs.

**NO MOVING PARTS**
Fewer parts to wear means higher reliability and longer life.

**HIGH TORQUE**
High Torque offers improved flow rates with continuous duty pressures.

**HIGHER PUMP SPEEDS**
Pump speeds up to 8000 rpm resulting in higher flow rates.

**WIDE RANGE OF POWER SUPPLY VOLTAGES**
Supported power supply voltages from 10V to 38V eases system integration.

**DIGITAL ERROR OUTPUTS**
Digital error outputs enable “check engine light” like diagnostic functionality.

**HIGH TEMPERATURE OPERATION**
A maximum ambient temperature limit of 120°C increases the allowed operation envelope.
**PERFORMANCE SUMMARY**

**SELECTABLE FEATURES**
- Fwd-Reverse Selection

**TACHOMETER OUTPUT**
- 2 PPR

**FAULT OUTPUTS**
- Over-Temp, Under-Voltage, or Internal Fault

**POWER SUPPLY**
- 10V to 38V DC

**TEMPERATURE RANGE**
- -40 to 120°C (-40 to 248°F)
- Max 85°C at Max Power

**SPEED RANGE**
- 36V = 1000 to 8000 rpm
- 24V = 500 to 5500 rpm
- 12V = 250 to 2650 rpm

**TORQUE AT RATED SPEED**
- 10 oz-in @ 3750 RPM (24V) (DEMSE)
- 20 oz-in @ 3750 RPM (24V) (DEELE)

**CURRENT AT RATED TORQUE**
- 2A @ 10 oz-in (24V) (DEMSE)
- 2.9A @ 20 oz-in (24V) (DEELE)

**ENCLOSURE**
- DEMSE Envelope Size (LxW): 2.8 x 1.9 in
- DEELE Envelope Size (LxW): 2.8 x 2.3 in
- DEMSE Weight: < 10.6 oz (< 300 grams)
- DEELE Weight: < 17.6 oz (< 500 grams)

**REGULATORY BODY COMPLIANCE**
- RoHS

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**DIMENSIONS**

**EAGLEDRIVE™ DEMSE**

**EAGLEDRIVE™ DEELE**

*Units: mm(in). Nominal dimensions shown.*