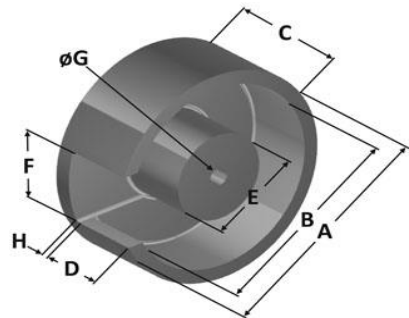


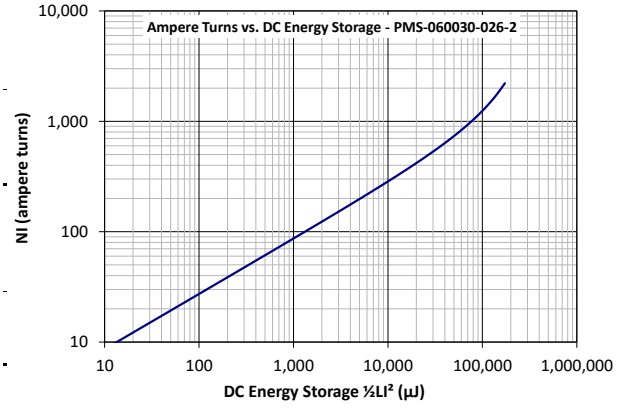
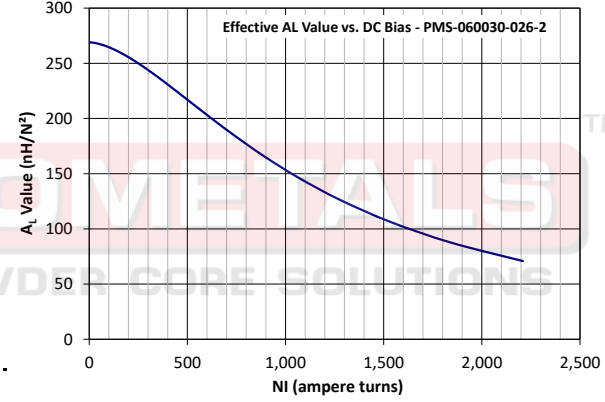
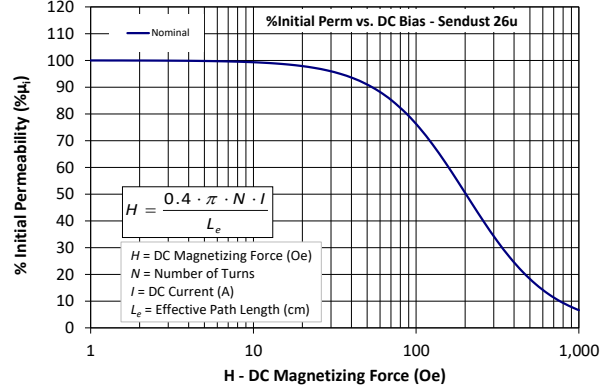
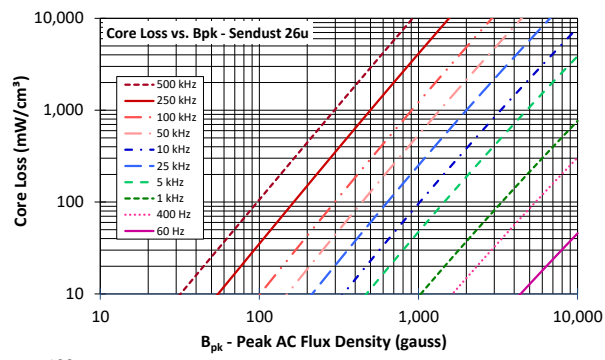


**Part Number:** PMS-060030-026-2  
 Revision: 2026-Apr-30



|                            |  |                        |       |        |        |        |         |         |       |       |       |       |       |
|----------------------------|--|------------------------|-------|--------|--------|--------|---------|---------|-------|-------|-------|-------|-------|
| <b>A</b>                   | 60.50 ± 0.50 mm  | 2.382 ± 0.020 in       |       |        |        |        |         |         |       |       |       |       |       |
| <b>B</b>                   | 51.50 ± 0.50 mm  | 2.028 ± 0.020 in       |       |        |        |        |         |         |       |       |       |       |       |
| <b>C</b>                   | 15.00 ± 0.25 mm  | 0.591 ± 0.010 in       |       |        |        |        |         |         |       |       |       |       |       |
| <b>D</b>                   | 7.75 ± 0.25 mm   | 0.305 ± 0.010 in       |       |        |        |        |         |         |       |       |       |       |       |
| <b>E</b>                   | 25.30 ± 0.30 mm  | 0.996 ± 0.012 in       |       |        |        |        |         |         |       |       |       |       |       |
| <b>F</b>                   | 14.80 ± 0.30 mm  | 0.583 ± 0.012 in       |       |        |        |        |         |         |       |       |       |       |       |
| <b>G</b>                   | 4.50 ± 0.10 mm   | 0.177 ± 0.004 in       |       |        |        |        |         |         |       |       |       |       |       |
| <b>Mass</b>                | (approximate)  | 110 grams/half         |       |        |        |        |         |         |       |       |       |       |       |
| <b>Magnetic Dimensions</b> | A <sub>e</sub> - Eff. Mag. Cross Section   | 6.07 cm <sup>2</sup>   |       |        |        |        |         |         |       |       |       |       |       |
|                            | L <sub>e</sub> - Eff. Mag. Path Length   | 7.37 cm                |       |        |        |        |         |         |       |       |       |       |       |
|                            | V <sub>e</sub> - Eff. Core Volume  | 44.7 cm <sup>3</sup>   |       |        |        |        |         |         |       |       |       |       |       |
|                            | WA - Min. Eff. Window Area   | 1.91 cm <sup>2</sup>   |       |        |        |        |         |         |       |       |       |       |       |
|                            | sa - Surface Area  | 115 cm <sup>2</sup>    |       |        |        |        |         |         |       |       |       |       |       |
|                            | mlt - mean length per turn   | 12.1 cm                |       |        |        |        |         |         |       |       |       |       |       |
| <b>Inductance</b>          | μ <sub>i</sub> (reference)   | 26                     |       |        |        |        |         |         |       |       |       |       |       |
|                            | A <sub>L</sub> value (nominal)   | 269 nH/N <sup>2</sup>  |       |        |        |        |         |         |       |       |       |       |       |
|                            | Test Winding   | N=TBD, #TBD AWG        |       |        |        |        |         |         |       |       |       |       |       |
|                            | Frequency  | 10k Hz                 |       |        |        |        |         |         |       |       |       |       |       |
|                            | Voltage on Agilent 4284A   | TBD                    |       |        |        |        |         |         |       |       |       |       |       |
|                            | A <sub>L</sub> tolerance   | Ref Only               |       |        |        |        |         |         |       |       |       |       |       |
| <b>Core Loss</b>           | $\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}}} + d \cdot Bpk^2 \cdot f^2$ |                        |       |        |        |        |         |         |       |       |       |       |       |
|                            | where B <sub>pk</sub> expressed in gauss, f expressed in hertz, and:<br>a=1.0000E+06, b=4.9693E+08, c=3.9928E+06, d=2.8671E-14         |                        |       |        |        |        |         |         |       |       |       |       |       |
|                            | B <sub>pk</sub>  | 500 G                  |       |        |        |        |         |         |       |       |       |       |       |
|                            | frequency  | 100k Hz                |       |        |        |        |         |         |       |       |       |       |       |
|                            | Core Loss (nominal)  | 295 mW/cm <sup>3</sup> |       |        |        |        |         |         |       |       |       |       |       |
| Core Loss (maximum)        | 339 mW/cm <sup>3</sup>   |                        |       |        |        |        |         |         |       |       |       |       |       |
| <b>DC Saturation</b>       | $\% \mu_i = \frac{1}{a + b \cdot H^c} + d$   |                        |       |        |        |        |         |         |       |       |       |       |       |
|                            | where H expressed in oersteds, and:<br>a=1.0000E-02, b=1.5296E-06, c=1.6545, d=0.0000  |                        |       |        |        |        |         |         |       |       |       |       |       |
|                            | H <sub>DC</sub>  | 200 Oe                 |       |        |        |        |         |         |       |       |       |       |       |
|                            | Percent Initial Perm(nom.)   | 50.5 %                 |       |        |        |        |         |         |       |       |       |       |       |
|                            | Percent Initial Perm(min.)   | 43.0 %                 |       |        |        |        |         |         |       |       |       |       |       |
| <b>Coating/Pkg</b>         | Coating Type:  | Blue Epoxy             |       |        |        |        |         |         |       |       |       |       |       |
|                            | Voltage Breakdown (min.)   | N/A                    |       |        |        |        |         |         |       |       |       |       |       |
|                            | Limit  | N/A                    |       |        |        |        |         |         |       |       |       |       |       |
|                            | Package Quantity   | TBD Halves/Box         |       |        |        |        |         |         |       |       |       |       |       |
| <b>Winding Table</b>       | <b>Wire Size</b>   | AWG                    | 10    | 12     | 14     | 16     | 18      | 20      | 22    | 24    | 26    | 28    | 30    |
|                            |  | mm                     | 2.500 | 2.000  | 1.600  | 1.250  | 1.000   | 0.800   | 0.630 | 0.500 | 0.400 | 0.315 | 0.250 |
|                            | <b>Winding</b>   | Full Turns             | 16    | 25     | 38     | 59     | 91      | 141     | 219   | 338   | 524   | 810   | 1,254 |
|                            |  | Rdc(Ω)                 | 6.3 m | 15.7 m | 37.9 m | 93.6 m | 229.7 m | 565.9 m | 1.4   | 3.4   | 8.5   | 20.8  | 51.2  |

Special Spec: Preliminary.



**Handling and Storage:** Cores should be stored in the original unopened packaging between -10°C and +50°C and less than 60% relative humidity. After the original packaging is opened, the cores should be stored between -8°C and +25°C less than 30% relative humidity. Gloves should be used when handling uncoated cores. The cores should also be sheltered from rain, moisture, salt water, salt air, plasters, ashes, sulfur, sulfur dioxide, ammonia sulfates, soils, acids, metals shavings, and solvents.

**Operating Temperature:** Cores can be used continuously at operating temperatures between -60°C and +200°C.

**RoHS 2.0, REACH and ISO (TS16949, ISO 9001, ISO 14001) compliant. Statements available for download at www.micrometalsapc.com.**