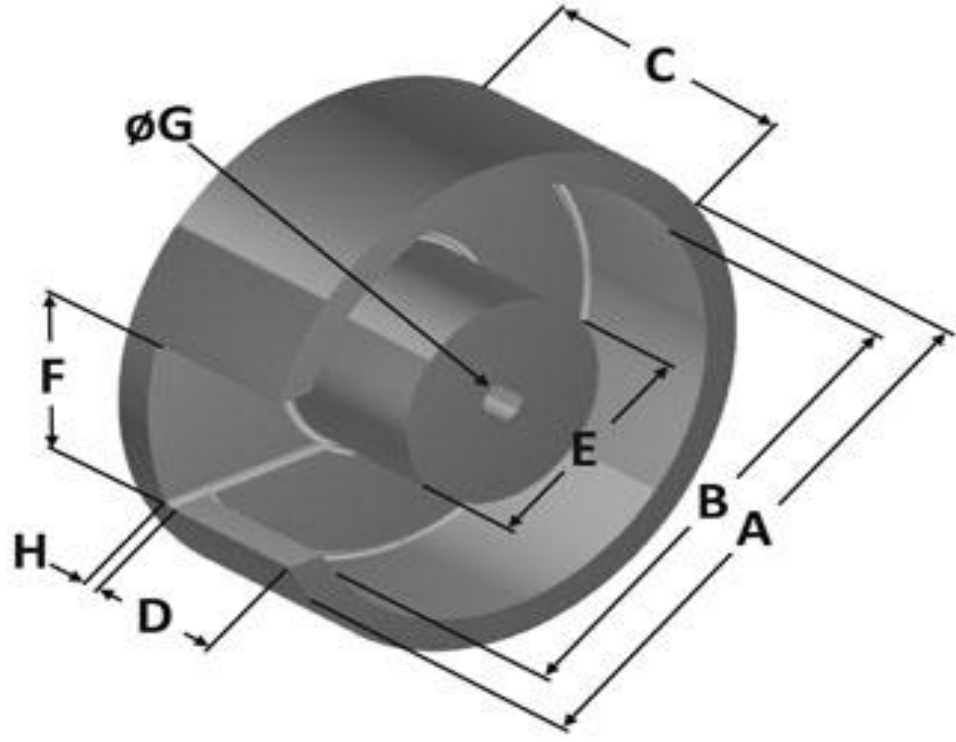




Part Number: **PC126-440B**

Revision 20190524 - Generated 2019-May-30



| | | |
|----------------------------|--|------------------------|
| A | 100.00 ± 0.30 mm | 3.937 ± 0.012 in |
| B | 87.00 ± 0.30 mm | 3.425 ± 0.012 in |
| C | 40.50 ± 0.30 mm | 1.594 ± 0.012 in |
| D | 31.00 ± 0.30 mm | 1.220 ± 0.012 in |
| E | 41.00 ± 0.30 mm | 1.614 ± 0.012 in |
| F | 35.00 ± 0.30 mm | 1.378 ± 0.012 in |
| G | 8.50 ± 0.30 mm | 0.335 ± 0.008 in |
| H | 1.57 Typical | 0.062 Typical |
| Mass | (approximate) | 1,130 grams/half |
| Magnetic Dimensions | A _e - Eff. Mag. Cross Section | 15.6 cm ² |
| | L _e - Eff. Mag. Path Length | 21.7 cm |
| | V _e - Eff. Core Volume | 328 cm ³ |
| | WA - Min. Eff. Window Area | 14.1 cm ² |
| | sa - Surface Area | 333 cm ² |
| | mlt - mean length per turn | 20.1 cm |
| Inductance | μ _i (reference) | 60 |
| | A _L value (nominal) | 470 nH/N ² |
| | Test Winding | N=100, #14 AWG |
| | Frequency | 10 kHz |
| | Voltage on Agilent 4284A | 5.0 V |
| | A _L tolerance | ±10% |
| Core Loss | $\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$ | |
| | where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.10E+09, b=3.30E+07, c=2.50E+06, d=3.10E-13 | |
| | B _{pk} | 140 G |
| | frequency | 100 kHz |
| | Core Loss (nominal) | 127 mW/cm ³ |
| Core Loss (maximum) | 146 mW/cm ³ | |
| DC Saturation | $\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ | |
| | where H expressed in oersteds, and: a=1.00E-02, b=8.93E-06, c=1.61, d=0.00 | |
| | H _{DC} | 50 Oe |
| | Percent Initial Perm(nom.) | 67.0% |
| Percent Initial Perm(min.) | 60.2% | |
| Coating/Pkg | Coating Type: | None |
| | Voltage Breakdown (min.) | N/A |
| | Limit | N/A |
| | Package Quantity | 9 Halves/Box |

