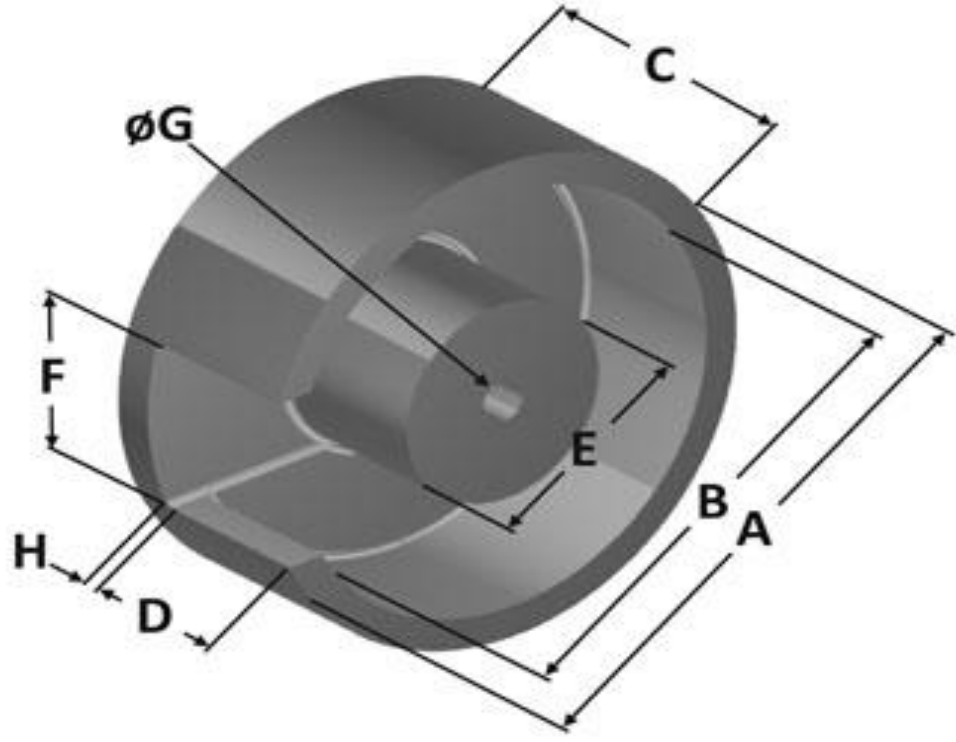




Part Number: **PC101-440A**
 Revision 20190524 - Generated 2019-May-30



A	80.00 ± 0.30 mm	3.150 ± 0.012 in
B	69.00 ± 0.30 mm	2.717 ± 0.012 in
C	20.50 ± 0.30 mm	0.807 ± 0.012 in
D	11.00 ± 0.30 mm	0.433 ± 0.012 in
E	40.50 ± 0.30 mm	1.594 ± 0.012 in
F	20.00 ± 0.30 mm	0.787 ± 0.012 in
G	4.50 ± 0.30 mm	0.177 ± 0.008 in
H	1.57 Typical	0.062 Typical
Mass	(approximate)	510 grams/half
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	13.7 cm ²
	L _e - Eff. Mag. Path Length	12.1 cm
	V _e - Eff. Core Volume	147 cm ³
	WA - Min. Eff. Window Area	3.07 cm ²
	sa - Surface Area	153 cm ²
	mlt - mean length per turn	17.2 cm
Inductance	μ _i (reference)	60
	A _L value (nominal)	626 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	36 Halves/Box

