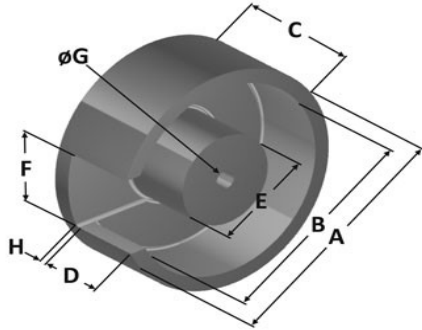




Part Number:

PC76-252A

Revision 2022-Mar-17 - Generated 2022-Mar-17



A	59.80 ± 0.30 mm	2.354 ± 0.012 in
B	51.50 ± 0.30 mm	2.028 ± 0.012 in
C	20.00 ± 0.30 mm	0.787 ± 0.012 in
D	13.00 ± 0.30 mm	0.512 ± 0.012 in
E	25.00 ± 0.30 mm	0.984 ± 0.012 in
F	14.91 ± 0.30 mm	0.587 ± 0.012 in
G	0.00 ± 0.00 mm	0.000 ± 0.000 in
H	2.00 Typical	0.079 Typical
Mass	(approximate)	260 grams/half
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	6.56 cm ²
	L _e - Eff. Mag. Path Length	11.3 cm
	V _e - Eff. Core Volume	74.4 cm ³
	WA - Min. Eff. Window Area	3.37 cm ²
	sa - Surface Area	103 cm ²
	mlt - mean length per turn	12.0 cm
Inductance	μ _i (reference)	75
	A _L value (nominal)	360 nH/N ²
	Test Winding	N=50, #14 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	1.5 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=1.00E+09, b=1.10E+08, c=2.10E+06, d=6.90E-14	
	B _{pk}	140 G
	frequency	100 kHz
	Core Loss (nominal)	58 mW/cm ³
	Core Loss (maximum)	67 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=4.66E-06, c=1.84, d=0.00	
	H _{DC}	50 Oe
	Percent Initial Perm(nom.)	61.6%
	Percent Initial Perm(min.)	53.4%
Coating/Pkg	Coating Type:	None
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	48 Halves/Box

