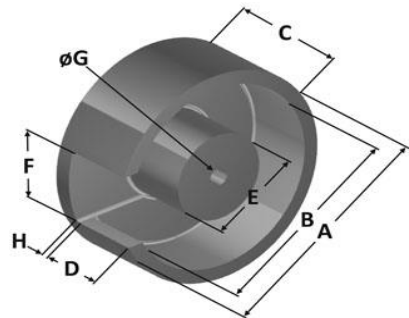




**Part Number:** PMS-060030-040-2  
 Revision: 2026-Apr-30



<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)	120 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)	40											
	A <sub>L</sub> value (nominal)	414 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:												
	a=1.0000E+06, b=6.8019E+08, c=8.0694E+06, d=2.1578E-14												
	B <sub>pk</sub>	1000 G											
	frequency	50k Hz											
Core Loss (nominal)	338 mW/cm <sup>3</sup>												
Core Loss (maximum)	388 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:												
	a=1.0000E-02, b=2.5417E-06, c=1.6796, d=0.0000												
	H <sub>DC</sub>	100 Oe											
Percent Initial Perm(nom.)	63.2 %												
Percent Initial Perm(min.)	55.9 %												
<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>Full Winding</b>	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](http://www.micrometalsapc.com).**

