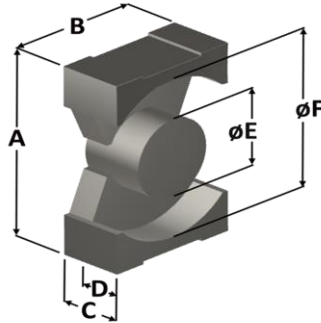


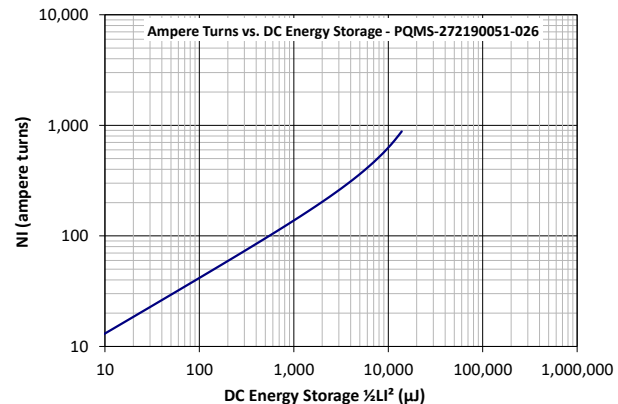
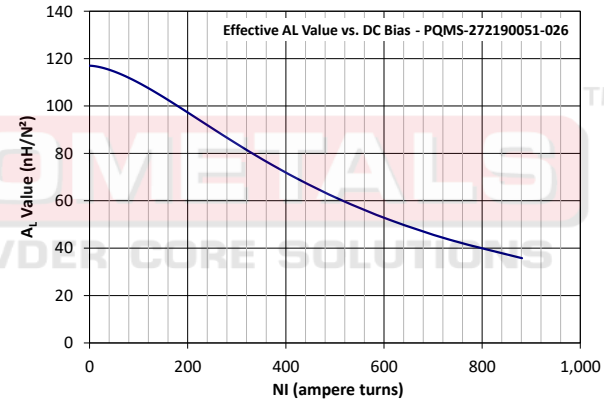
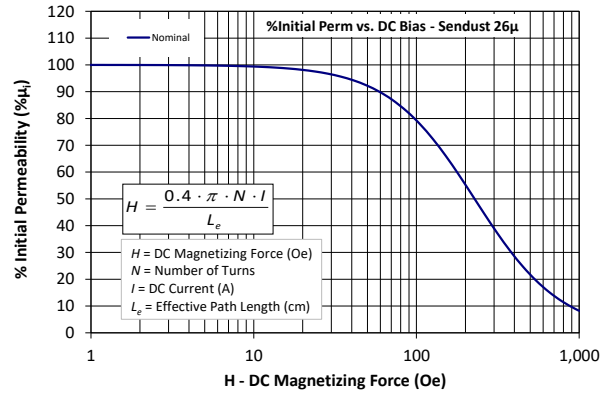
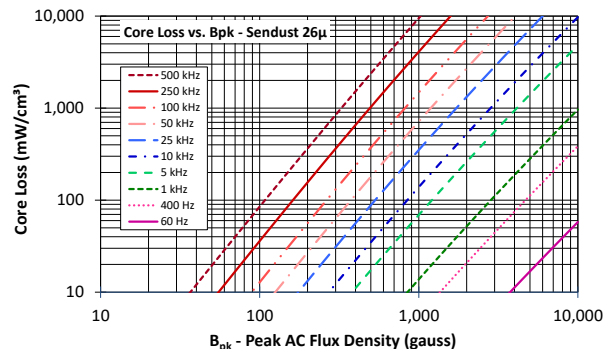


Part Number: PQMS-272190051-026

Revision: 2023-Dec-06



A	27.20 ± 0.46 mm	1.071 ± 0.018 in
B	19.00 ± 0.46 mm	0.748 ± 0.018 in
C	5.100 ± 0.203 mm	0.201 ± 0.008 in
D	1.200 mm (min.)	0.047 in (min.)
E	12.00 ± 0.46 mm	0.472 ± 0.018 in
F	22.05 mm (min.)	0.868 in (min.)
Mass	(approximate)	7.6 grams/half
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	1.05 cm ²
	L _e - Eff. Mag. Path Length	2.94 cm
	V _e - Eff. Core Volume	3.09 cm ³
	W _A - Min. Eff. Window Area	0.115 cm ²
	s _a - Surface Area	20.2 cm ²
Inductance	μ _i (reference)	26
	A _i value (nominal)	117 nH/N ²
	Test Winding	N=5, #26 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	0.023 V
Core Loss	A _i tolerance	±12%
	$\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$	
	where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.000E+06, b=2.690E+08, c=3.455E+06, d=1.045E-14	
	B _{pk}	500 G
	frequency	100 k Hz
DC Saturation	Core Loss (nominal)	373 mW/cm ³
	Core Loss (maximum)	429 mW/cm ³
	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and: a=1.000E-02, b=1.443E-06, c=1.629, d=0.000	
	H _{0c}	200 Oe
Coating/Pkg	Percent Initial Perm.(nom.)	55.3 %
	Percent Initial Perm.(min.)	47.9 %
	Coating Type:	None
	Voltage Breakdown (min.)	N/A
Winding Table	Limit	N/A
	Package Quantity	560 Halves/Box
	Wire Size	AWG 22 24 26 28 30 32 34 36 38 40 42
	mm	0.630 0.500 0.400 0.315 0.250 0.200 0.160 0.125 0.100 0.080 0.063
Full Winding	Turns	13 20 32 49 76 117 182 281 435 673 1,042
	Rdc(Ω)	36.8 m 90.0 m 229.1 m 557.8 m 1.4 3.4 8.3 20.5 50.4 124.0 305.3



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.

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