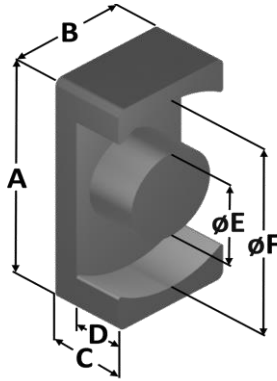


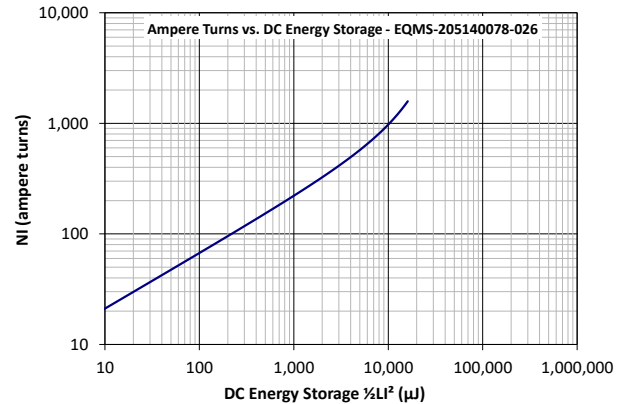
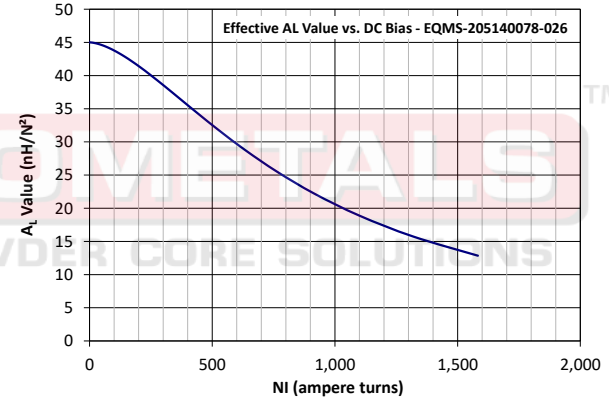
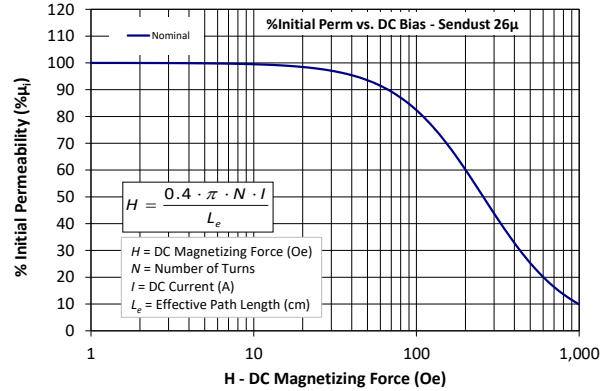
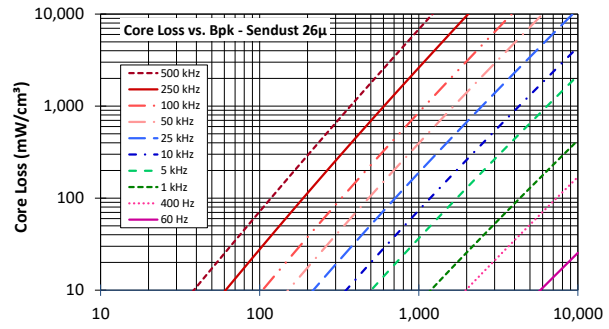


Part Number: **EQMS-205140078-026**

Revision: 2023-Dec-18



A	20.50 ± 0.30 mm	0.807 ± 0.012 in
B	14.00 ± 0.20 mm	0.551 ± 0.008 in
C	7.800 ± 0.203 mm	0.307 ± 0.008 in
D	5.100 mm (min.)	0.201 in (min.)
E	8.800 ± 0.20 mm	0.346 ± 0.008 in
F	17.80 mm (min.)	0.701 in (min.)
Mass	(approximate)	6.6 grams/half
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.608 cm ²
	L _e - Eff. Mag. Path Length	4.40 cm
	V _e - Eff. Core Volume	2.68 cm ³
	W _A - Min. Eff. Window Area	0.449 cm ²
	s _a - Surface Area	17.2 cm ²
Inductance	μ _i (reference)	26
	A _i value (nominal)	45 nH/N ²
	Test Winding	N=20, #26 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	0.054 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=3.330E+08, c=8.554E+06, d=1.285E-14	
	B _{pk}	500 G
DC Saturation	frequency	100 k Hz
	Core Loss (nominal)	229 mW/cm ³
	Core Loss (maximum)	263 mW/cm ³
	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and:	
Coating/Pkg	a=1.000E-02, b=1.183E-06, c=1.629, d=0.000	
	H _{DC}	200 Oe
	Percent Initial Perm(nom.)	60.1 %
	Percent Initial Perm(min.)	52.9 %
	Coating Type:	None
Winding Table	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	864 Halves/Box
	Wire Size	AWG 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36
Full Winding	mm	1.250, 1.000, 0.800, 0.630, 0.500, 0.400, 0.315, 0.250, 0.200, 0.160, 0.125
	Turns	14, 21, 33, 51, 80, 123, 191, 295, 457, 707, 1,095
	Rdc(Ω)	7.7 m, 18.4 m, 45.9 m, 112.8 m, 281.3 m, 687.8 m, 1.7, 4.2, 10.3, 25.3, 62.3



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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