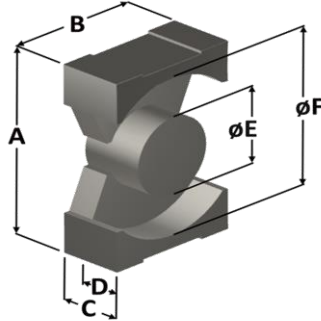


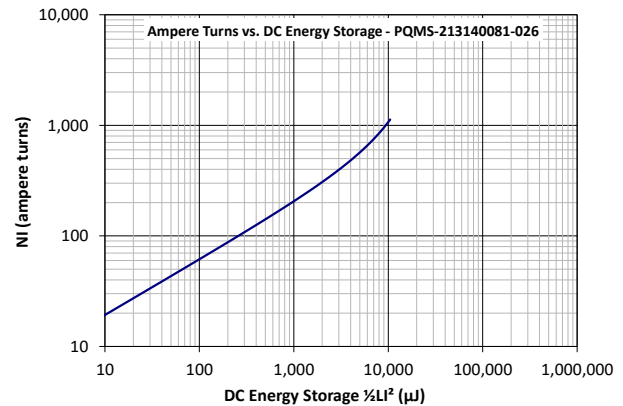
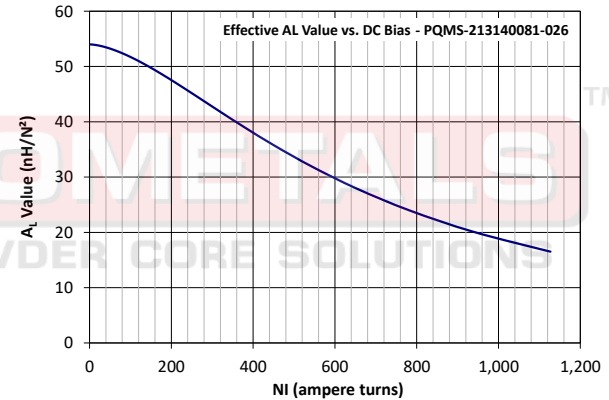
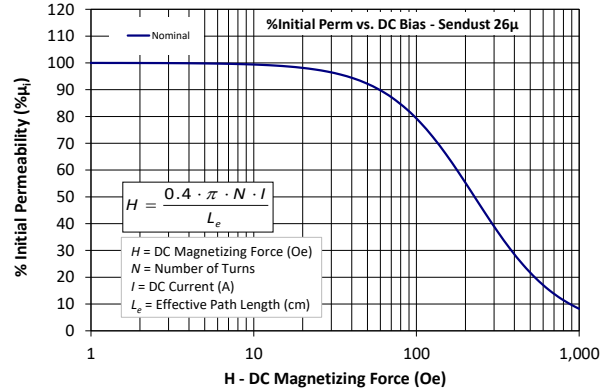
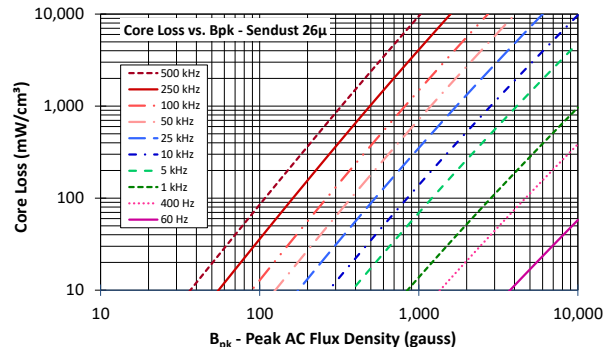


Part Number: PQMS-213140081-026

Revision: 2023-Dec-06



A	21.30 ± 0.41 mm	0.839 ± 0.016 in
B	14.00 ± 0.41 mm	0.551 ± 0.016 in
C	8.100 ± 0.203 mm	0.319 ± 0.008 in
D	5.000 mm (min.)	0.197 in (min.)
E	8.800 ± 0.41 mm	0.346 ± 0.016 in
F	17.60 mm (min.)	0.693 in (min.)
Mass	(approximate)	5.7 grams/half
Magnetic Dimensions	A_e - Eff. Mag. Cross Section	0.619 cm ²
	L_e - Eff. Mag. Path Length	3.76 cm
	V_e - Eff. Core Volume	2.33 cm ³
	W_A - Min. Eff. Window Area	0.420 cm ²
	s_a - Surface Area	18.1 cm ²
Inductance	μ_i (reference)	26
	A_L value (nominal)	54 nH/N ²
	Test Winding	N=10, #20 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	0.027 V
Core Loss	A_L tolerance	±12%
	Core Loss(mW/cm ³)=	$\frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$
	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
DC Saturation	frequency	100 k Hz
	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:	
Coating/Pkg	$a=1.000E-02$, $b=1.443E-06$, $c=1.629$, $d=0.000$	
	H_{oc}	200 Oe
	Percent Initial Perm.(nom.)	55.3 %
	Percent Initial Perm.(min.)	47.9 %
	Coating Type:	None
Winding Table	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	864 Halves/Box
	Wire Size	AWG 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38
Full Winding	Turns	20, 31, 48, 75, 115, 178, 276, 428, 662, 1,024, 1,585
	Rdc(Ω)	17.4 m, 42.8 m, 105.3 m, 261.7 m, 638.3 m, 1.6, 3.9, 9.6, 23.5, 57.8, 142.3



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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