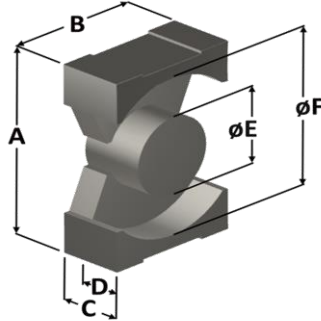


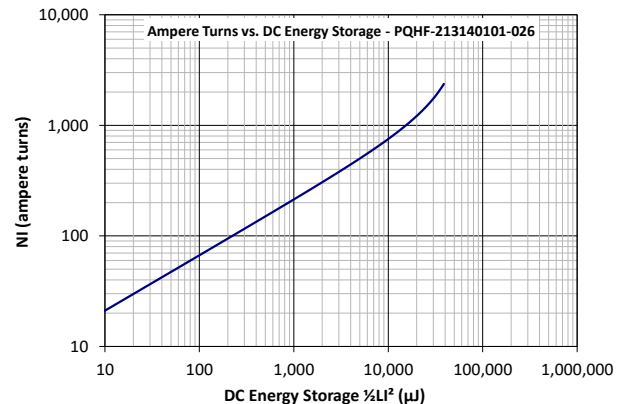
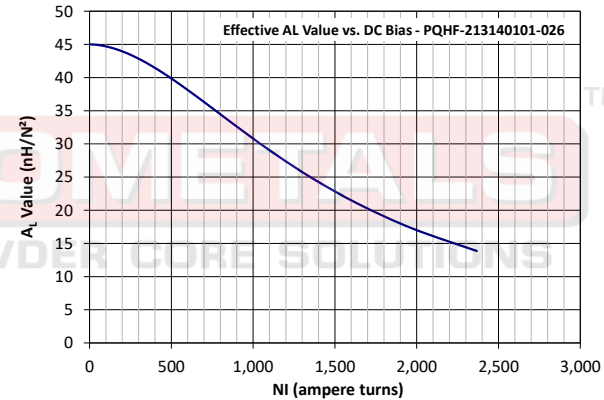
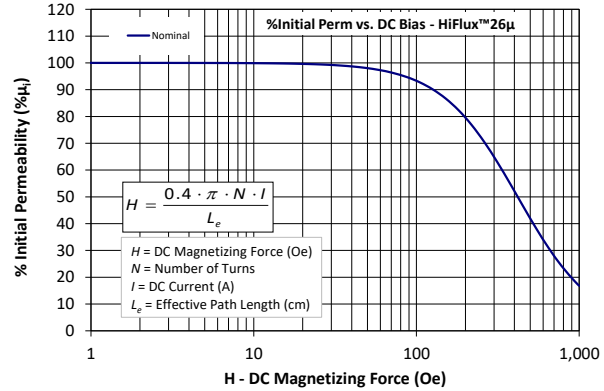
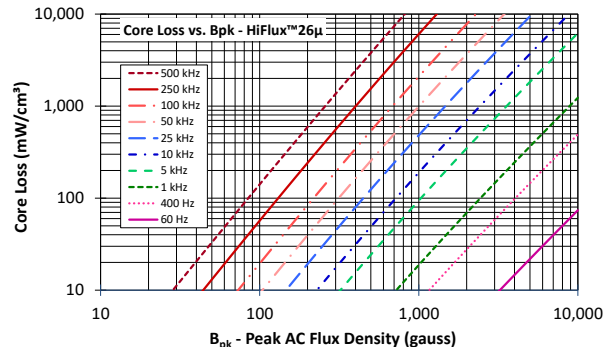


Part Number: PQHF-213140101-026

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	10.10 ± 0.203 mm	0.398 ± 0.008 in				
D	7.000 mm (min.)	0.276 in (min.)				
E	8.800 ± 0.41 mm	0.346 ± 0.016 in				
F	17.60 mm (min.)	0.693 in (min.)				
Mass	(approximate)	8.4 grams/half				
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.626 cm ²				
	L _e - Eff. Mag. Path Length	4.57 cm				
	V _e - Eff. Core Volume	2.86 cm ³				
	W _A - Min. Eff. Window Area	0.588 cm ²				
	s _a - Surface Area	21.0 cm ²				
	mlt - mean length per turn	4.15 cm				
Inductance	μ _i (reference)	26				
	A _L value (nominal)	45 nH/N ²				
	Test Winding	N=15, #20 AWG				
	Frequency	10 kHz				
	Voltage on Agilent 4284A	0.042 V				
	A _L tolerance	±12%				
Core Loss	$\text{Core Loss (mW/cm}^3\text{)} = \frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$					
	where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.000E+06, b=1.746E+08, c=2.796E+06, d=2.196E-14					
	B _{pk}	300 G				
	frequency	100 k Hz				
	Core Loss (nominal)	192 mW/cm ³				
	Core Loss (maximum)	221 mW/cm ³				
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$					
	where H expressed in oersteds, and: a=1.000E-02, b=1.509E-07, c=1.839, d=0.000					
	H _{DC}	200 Oe				
	Percent Initial Perm.(nom.)	79.6 %				
	Percent Initial Perm.(min.)	73.6 %				
Coating/Pkg	Coating Type:	None				
	Voltage Breakdown (min.)	N/A				
	Limit	N/A				
	Package Quantity	720 Halves/Box				
Winding Table	Wire Size	AWG	16	18	20	
		mm	1.250	1.000	0.800	
	Full Winding	Turns	18	28	44	
		Rdc(Ω)	9.8 m	24.3 m	60.7 m	



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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