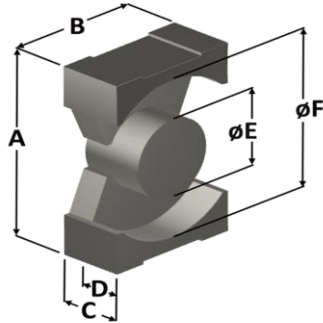




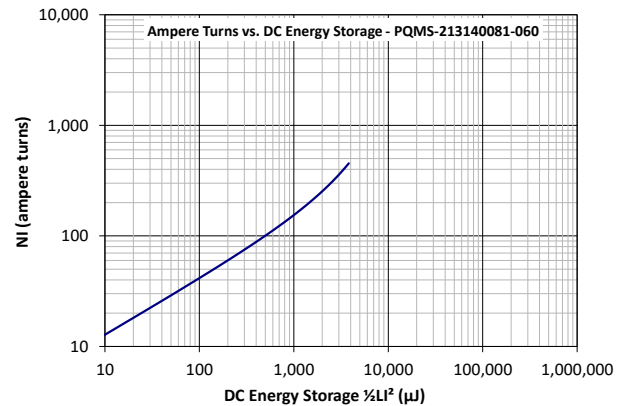
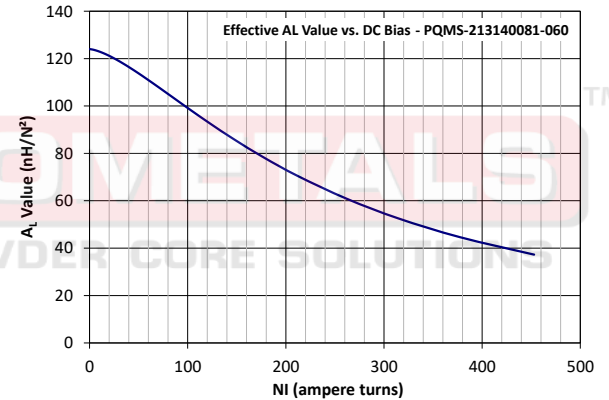
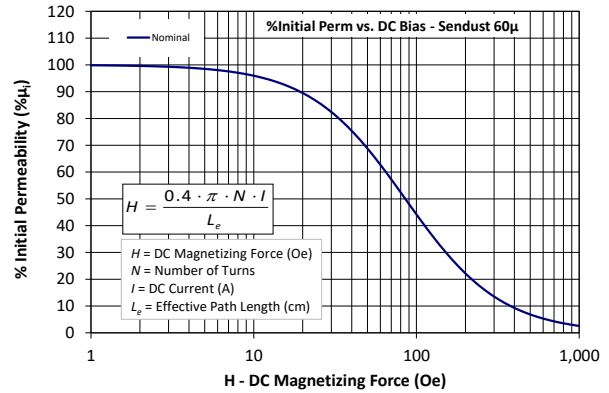
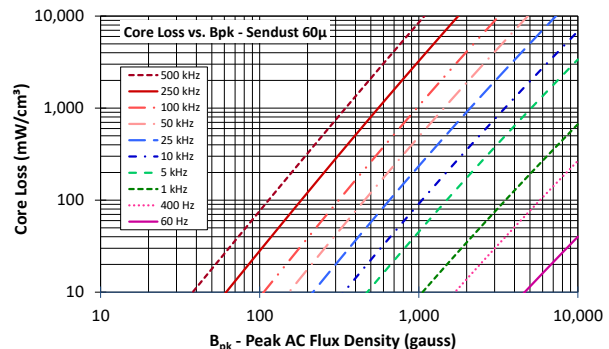
Part Number: PQMS-213140081-060

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)	6.0 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 mlt - mean length per turn 4.15 cm	
Inductance	μ_i (reference) 60 A_L value (nominal) 124 nH/N ² Test Winding N=10, #20 AWG Frequency 10 kHz Voltage on Agilent 4284A 0.027 V A_L tolerance ±12%	
Core Loss	$\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$ where B_{pk} expressed in gauss, f expressed in hertz, and: $a=1.000E+06$, $b=4.562E+08$, $c=4.819E+06$, $d=1.611E-14$	
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ where H expressed in oersteds, and: $a=1.000E-02$, $b=1.411E-05$, $c=1.476$, $d=0.000$	
Coating/Pkg	Coating Type: None Voltage Breakdown (min.) N/A Limit N/A Package Quantity 864 Halves/Box	

Winding Table	Wire Size	AWG	18	20	22	24	26	28	30	32	34	36	38
		mm	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160	0.125	0.100
	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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