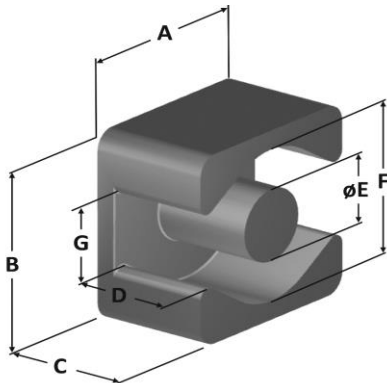




Part Number: **HC065B38A-02000**

Revision 20200506 - Generated 2020-May-06



A	6.50 ± 0.15 mm	0.256 ± 0.006 in
B	6.50 ± 0.15 mm	0.256 ± 0.006 in
C	3.75 ± 0.10 mm	0.148 ± 0.004 in
D	2.60 mm (min.)	0.102 in (min.)
E	2.70 ± 0.10 mm	0.106 ± 0.004 in
F	5.05 mm (min.)	0.199 in (min.)
G	2.30 mm (nom.)	0.091 in (nom.)
Mass	(approximate)	0.54 grams/half

Magnetic Dimensions	when matched with IC (thickness=1.05 mm. nom.)	
	A _e - Eff. Mag. Cross Section	0.111 cm ²
	L _e - Eff. Mag. Path Length	1.29 cm
	V _e - Eff. Core Volume	0.152 cm ³
	WA - Min. Eff. Window Area	0.0304 cm ²
	sa - Surface Area	2.09 cm ²
	mlt - mean length per turn	1.24 cm

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=4.00E+09, b=3.00E+08, c=2.70E+06, d=9.60E-16	
	B _{pk}	140 G
	frequency	100 kHz
DC Saturation	Core Loss (nominal)	18 mW/cm ³
	Core Loss (maximum)	20 mW/cm ³

DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and:	
	a=1.00E-02, b=1.83E-07, c=1.46, d=0.00	
	H _{DC}	200 Oe
Coating/Pkg	Percent Initial Perm(nom.)	95.9%
	Percent Initial Perm(min.)	94.8%

DC S.	H _{DC}	200 Oe
	Percent Initial Perm.(nom.)	95.9%
	Percent Initial Perm.(min.)	94.8%
Coating/Pkg	Coating Type:	Per UL Card File #E140098(S), Black, Outer Surface only
	Voltage Breakdown (min.)	200Vrms, 60Hz
	Limit	3 mA, 5 s
	Package Quantity	14,000 Halves/Box

Winding Table	Wire Size	AWG	26	28	30	32	34	36	38	40	42	44	#N/A
		mm	0.400	0.315	0.250	0.200	0.160	0.125	0.100	0.080	0.063	0.050	#N/A
	Full Winding	Turns	8	13	20	31	48	74	115	178	275	426	#N/A
		Rdc(Ω)	13.3 m	34.3 m	84.0 m	207.1 m	510.0 m	1.3	3.1	7.6	18.7	46.0	#N/A

