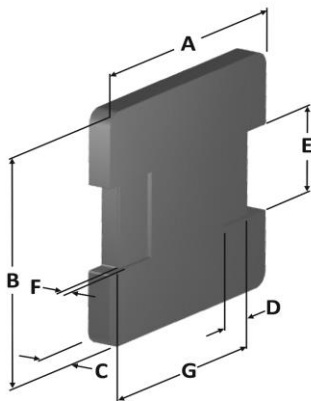




Part Number:

IC127C12E-520

Revision 20200517 - Generated 2020-May-18



A	12.70 ± 0.25 mm	0.500 ± 0.010 in
B	12.70 ± 0.25 mm	0.500 ± 0.010 in
C	1.22 ± 0.10 mm	0.048 ± 0.004 in
D	2.40 mm (nom.)	0.094 in (nom.)
E	4.19 mm (nom.)	0.165 in (nom.)
F	0.23 ± 0.05 mm	0.009 ± 0.002 in
G	10.69 ± 0.25 mm	0.421 ± 0.010 in
Mass	(approximate)	1.3 grams
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: $a=1.00E+09$, $b=1.10E+08$, $c=2.10E+06$, $d=6.90E-14$	
	B_{pk}	140 G
	frequency	100 kHz
	Core Loss (nominal)	58 mW/cm ³
	Core Loss (maximum)	67 mW/cm ³
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and: $a=1.00E-02$, $b=4.66E-06$, $c=1.84$, $d=0.00$	
	H_{DC}	50 Oe
	Percent Initial Perm.(nom.)	61.6%
	Percent Initial Perm.(min.)	53.4%
Coating/Pkg	Coating Type:	Per UL Card File #E140098(S), Black, Outer Surface only
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	10,000/Box

