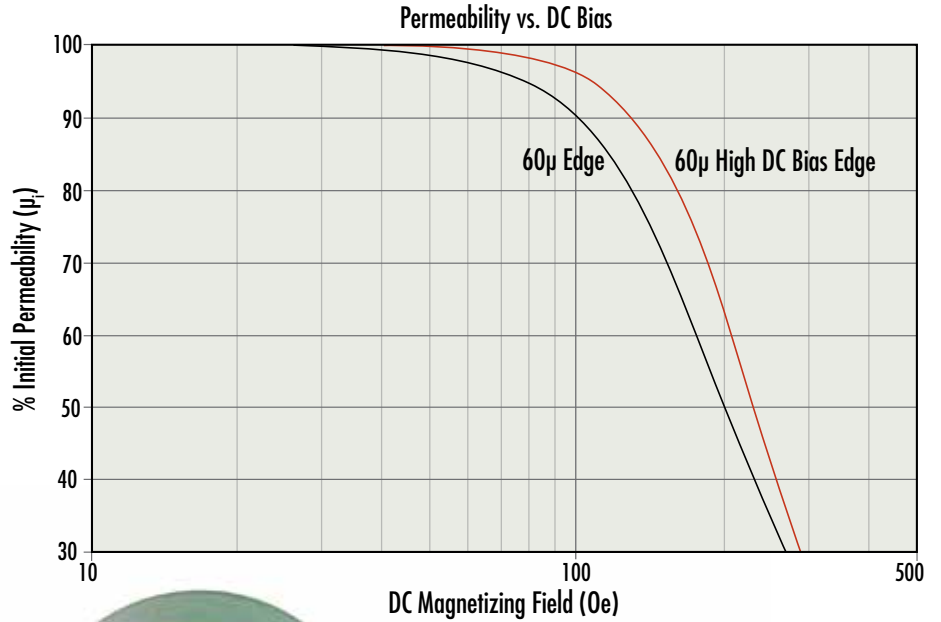




# High DC Bias Edge<sup>®</sup> Cores

Designed for cutting edge performance, High DC Bias Edge cores offer the highest efficiency and best DC bias performance of all alloy powder cores.

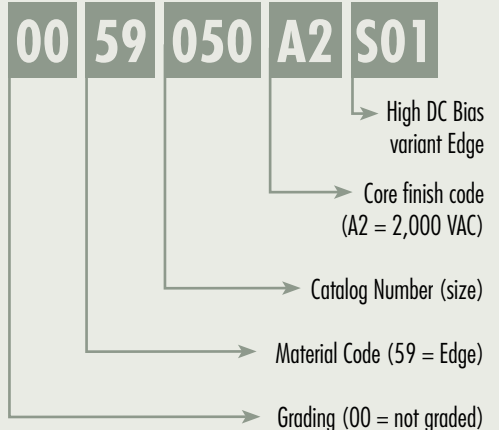
High DC Bias Edge cores provide up to 20% improvement in DC bias compared to standard nickel-iron Edge powder cores.



Perm	Perm vs. DC Bias (Oe)		Core Loss (mW/cm <sup>3</sup> )
<b>26μ</b>	<b>80%</b>	<b>50%</b>	<b>W<sub>1000 G, 50 kHz</sub></b>
<b>High DCB Edge</b>	350	500	275
<b>Edge</b>	285	440	200

Perm	Perm vs. DC Bias (Oe)		Core Loss (mW/cm <sup>3</sup> )
<b>60μ</b>	<b>80%</b>	<b>50%</b>	<b>W<sub>1000 G, 50 kHz</sub></b>
<b>High DCB Edge</b>	160	230	200
<b>Edge</b>	130	205	150

## HOW TO ORDER



## Core Loss Density 26 $\mu$

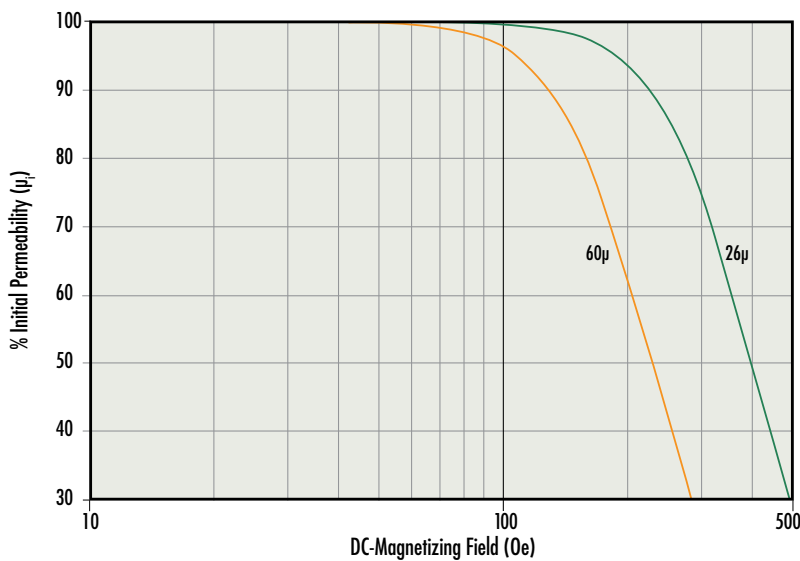
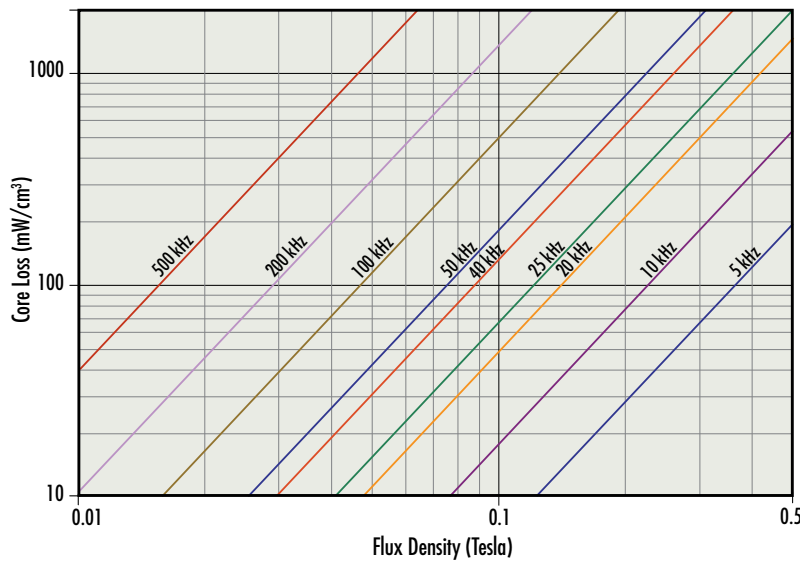
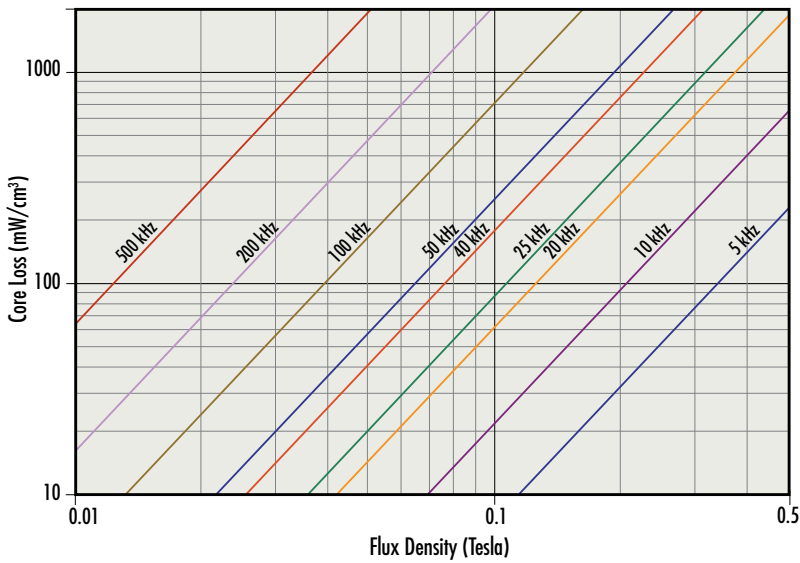
$P = a(B^b)(f^c)$		
a	b	c
83.23	2.106	1.520

## Core Loss Density 60 $\mu$

$P = a(B^b)(f^c)$		
a	b	c
82.64	2.106	1.444

## Permeability vs. DC Bias

$\% \text{ Initial Permeability} = \frac{1}{a + bH^c}$			
	a	b	c
26	0.01	3.23E-13	3.887
60	0.01	9.51E-12	3.820



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