



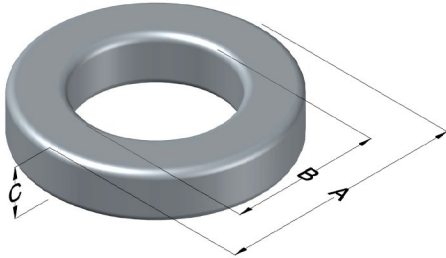
Toroidi Magnetics

Ho ordinato qualche settimana fa cinque tipologie di toroidi Magnetics delle due famiglie High-Flux (1.5 T) e X-Flux (1.6 T)



C058050A2

110 Delta Drive
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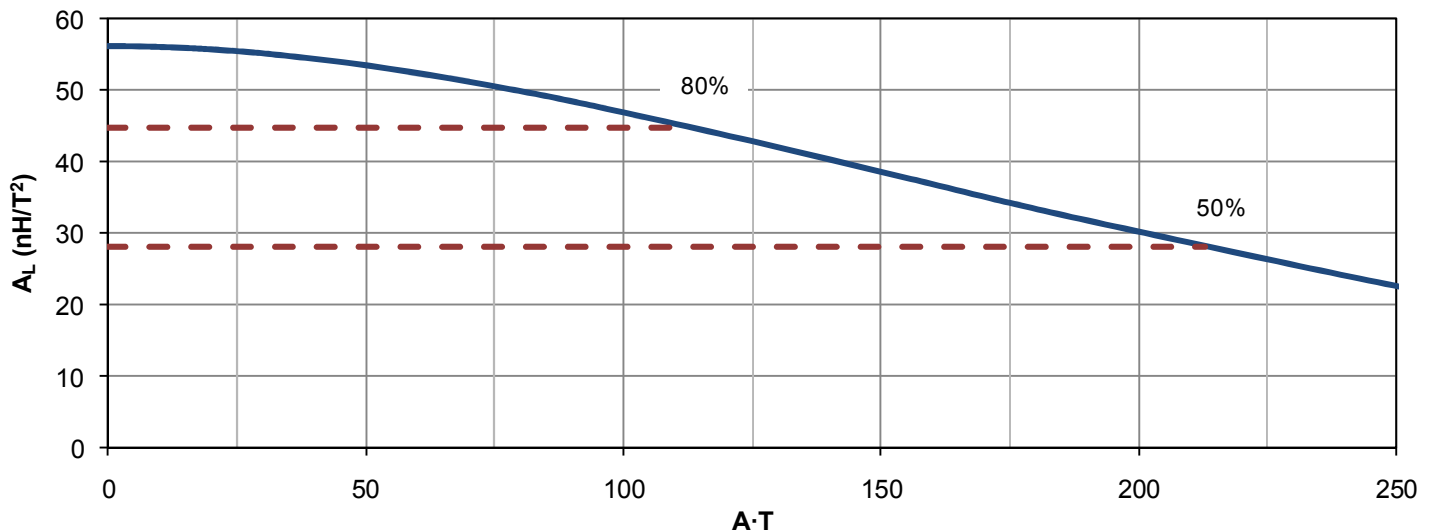
High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	56 ± 8%	XXXXXX	050A2	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	12.7	0.500	13.5	0.530	max	Bulk Pack 4 bags/box Box Qty= 5000 pcs
ID (B)	7.62	0.300	6.98	0.275	min	
HT (C)	4.75	0.187	5.52	0.217	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT typical (mW/cm ³)	DC Bias typical (A·T/cm)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Weight (g)
	80%	50%							
1275	34.2	66.0	1000	8.6	38.3	10.9	31.2	340	2.9

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 500°C
Winding Factor	(mm)	Winding Factor	(mm)	Maximum OD (70%)	18.2	Coating Temp (Continuous up to): 200°C
				Maximum HT (70%)	11.5	
0%	17.5	40%	21.1	Surface Area (mm ²)		Notes:
20%	19.3	45%	21.7	Unwound Core		
25%	19.8	50%	22.1	40% Winding Factor		
30%	20.1	60%	23.2			
35%	20.7	70%	24.5			

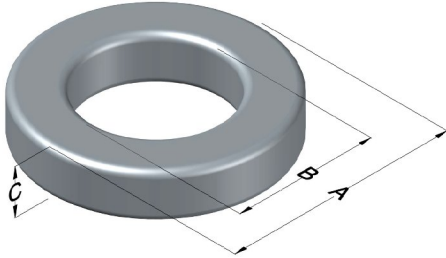
Typical DC Bias Performance





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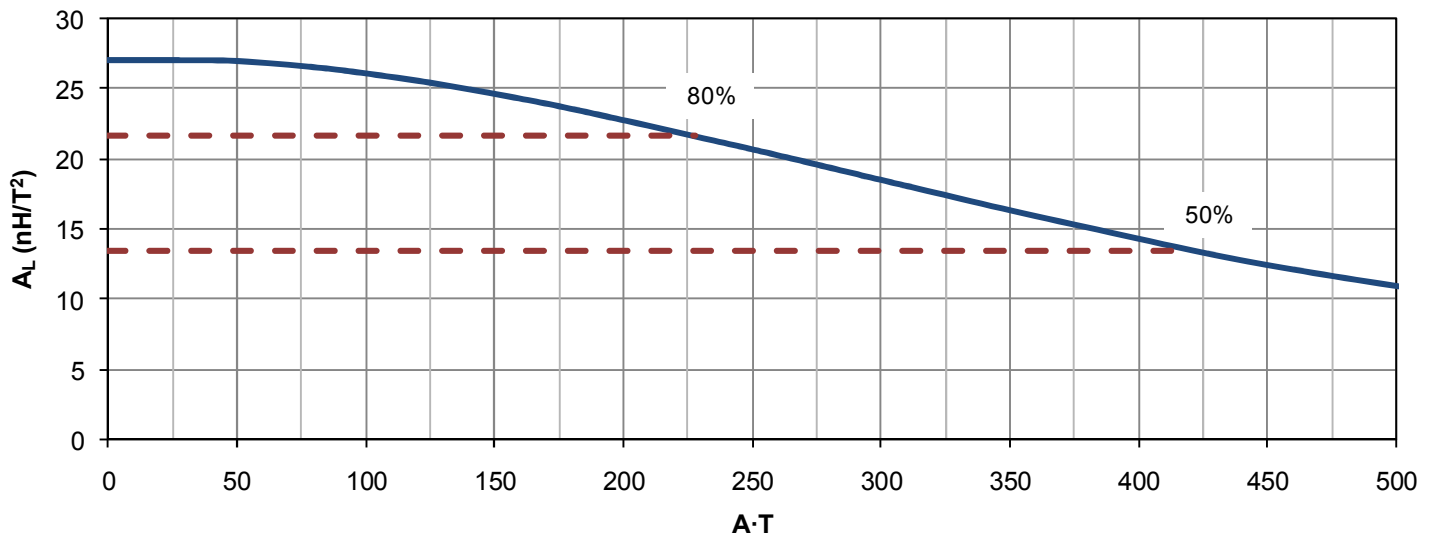
High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
60	27 ± 8%	XXXXXX	051A2	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	12.7	0.500	13.5	0.530	max	Bulk Pack 4 bags/box Box Qty= 5000 pcs
ID (B)	7.62	0.300	6.98	0.275	min	
HT (C)	4.75	0.187	5.52	0.217	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT typical (mW/cm ³)	DC Bias typical (A-T/cm)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Weight (g)
	80%	50%							
1300	69.2	131	1000	8.6	38.3	10.9	31.2	340	2.7

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 500°C
Winding Factor	(mm)	Winding Factor	(mm)	Maximum OD (70%)	18.2	Coating Temp (Continuous up to): 200°C
				Maximum HT (70%)	11.5	
0%	17.5	40%	21.1	Surface Area (mm ²)		Notes:
20%	19.3	45%	21.7	Unwound Core		
25%	19.8	50%	22.1	40% Winding Factor		
30%	20.1	60%	23.2			
35%	20.7	70%	24.5			

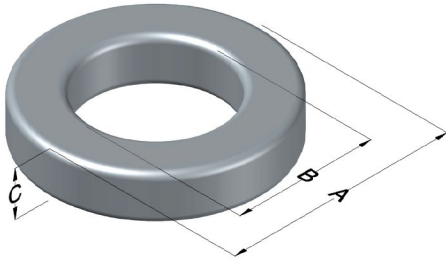
Typical DC Bias Performance





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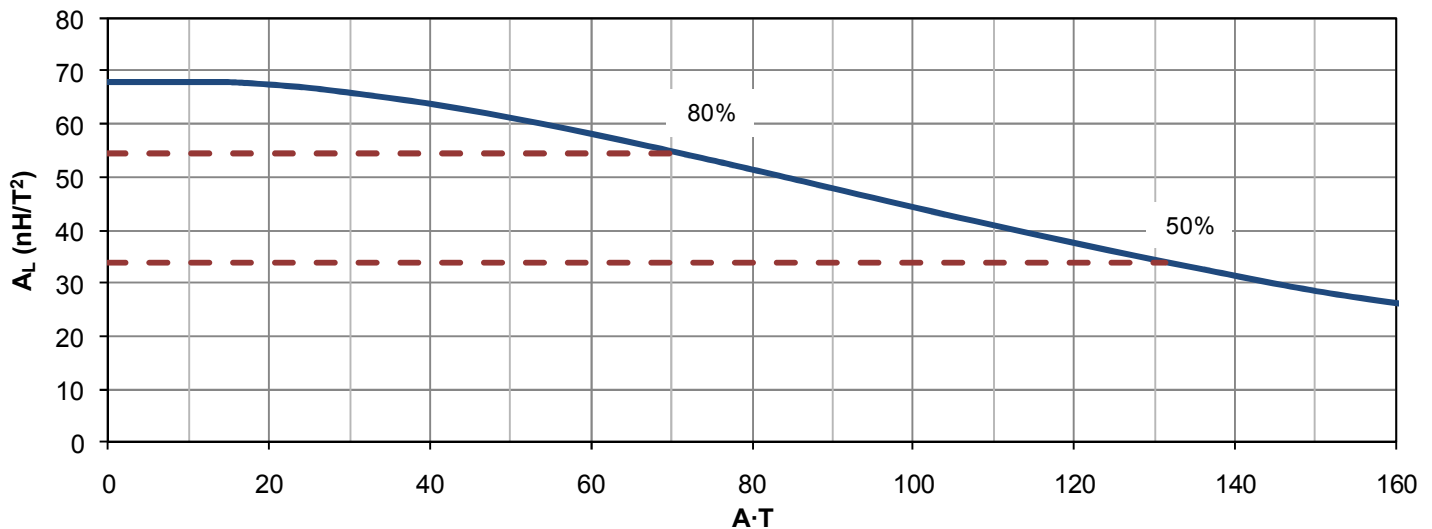
High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
160	68 ± 8%	XXXXXX	128A2	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	11.2	0.440	11.9	0.465	max	Bulk Pack 4 bags/box Box Qty= 6000 pcs
ID (B)	6.35	0.250	5.84	0.230	min	
HT (C)	3.96	0.156	4.60	0.181	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT typical (mW/cm ³)	DC Bias typical (A-T/cm)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Weight (g)
	1500	80%							
	25.8	50.1							

Winding Information				Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)	
Winding Factor	(mm)	Winding Factor	(mm)	Maximum OD (70%)	15.7
0%	15.2	40%	18.1	Maximum HT (70%)	8.97
20%	16.7	45%	18.6	Surface Area (mm ²)	
25%	17.0	50%	19.0	Unwound Core	
30%	17.4	60%	19.9	40% Winding Factor	
35%	17.8	70%	20.9	604	
				Curie Temp: 500°C	
				Coating Temp (Continuous up to): 200°C	
Notes:					

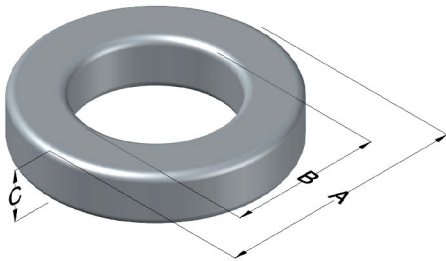
Typical DC Bias Performance





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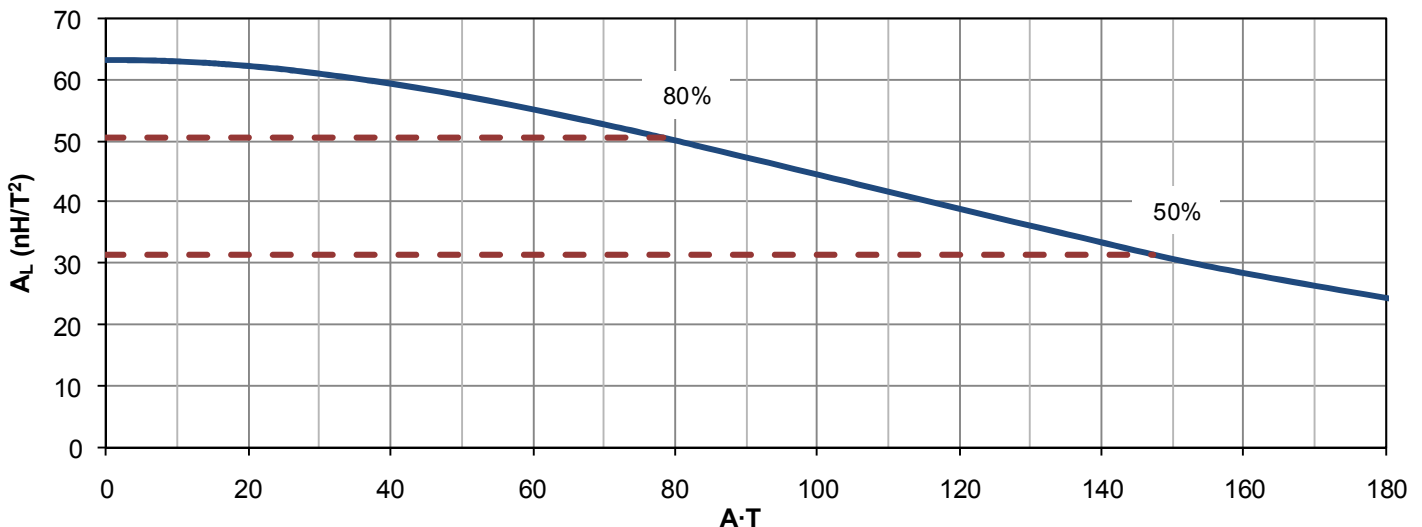
High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
147	63 ± 8%	XXXXXX	129A2	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	11.2	0.440	11.9	0.465	max	Bulk Pack 4 bags/box Box Qty= 6000 pcs
ID (B)	6.35	0.250	5.84	0.230	min	
HT (C)	3.96	0.156	4.60	0.181	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT typical (mW/cm ³)	DC Bias typical (A·T/cm)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Weight (g)
	1500	80%							
	28.6	54.9							

Winding Information				Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)	
Winding Factor	(mm)	Winding Factor	(mm)	Curie Temp: 500°C	
				Coating Temp (Continuous up to): 200°C	
				Notes:	
				Maximum OD (70%)	15.7
				Maximum HT (70%)	8.97
				Surface Area (mm ²)	
				Unwound Core	431
				40% Winding Factor	604

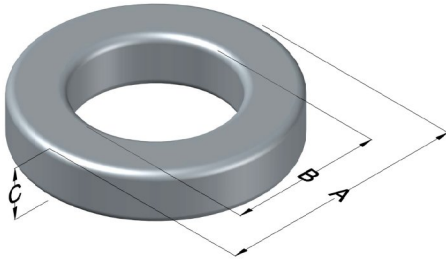
Typical DC Bias Performance





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XF _{LUX} Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
60	27 ± 8%	XXXXXX	051A7	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	12.7	0.500	13.5	0.530	max	Bulk Pack 4 bags/box Box Qty= 5000 pcs
ID (B)	7.62	0.300	6.98	0.275	min	
HT (C)	4.75	0.187	5.52	0.217	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50 kHz, 100mT max(mW/cm ³)	DC Bias min (A·T/cm)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Weight (g)
	80%	50%							
950	60	120	1000	8.6	38.3	10.9	31.2	340	2.5

Winding Information				Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)	
Winding Factor	(mm)	Winding Factor	(mm)	Curie Temp: 700°C	
				Coating Temp (Continuous up to): 200°C	
				Notes:	
				Maximum OD (70%)	18.2
				Maximum HT (70%)	11.5
				Surface Area (mm ²)	
				Unwound Core	561
				40% Winding Factor	813

Typical DC Bias Performance

