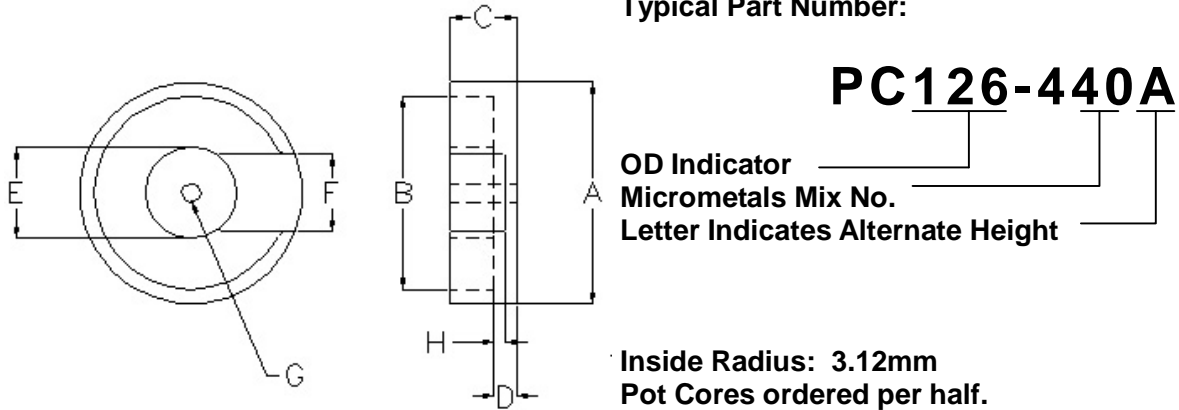


Iron Powder Pot Cores



100mm Pot Cores



Physical and Magnetic Dimensions

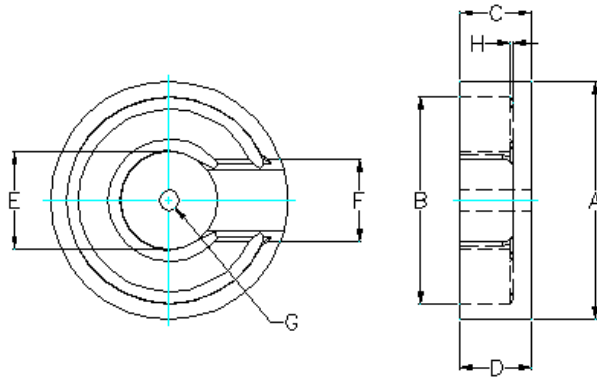
Pot Core	A_L ¹⁾	A	B	C	D	E	F	G	H	Win dow	L_e	A_e	V_e
Unit Part No.	nH/ N^2	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	cm	cm ²	cm ³
PC126 -440A -402A	580 140	100	87.0	30.5	10.5	41.0	35.0	8.5	1.58	9.6	17.7	15.8	280
PC126 -440B -402B	470 112	100	87.0	40.5	10.5	41.0	35.0	8.5	1.58	14.2	21.7	15.6	339
PC126 -440C -402C	390 95	100	87.0	50.5	10.5	41.0	35.0	8.5	1.58	18.8	25.7	15.5	398

Dimension Tolerance [mm]

Pot Core Prefix	A	B	C	D	E	F	G
PC126	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.2	+/- 0.3	+/- 0.3	+/- 0.2

1) Inductance specified for 2 ungapped pot cores. Please note that cores are manufactured to inductance value and may have a slight gap.

80mm Pot Cores



Typical Part Number:

PC101-440A

OD Indicator _____
 Micrometals Mix No. _____
 Letter Indicates Alternate Height _____

Pot Cores ordered per half.

Physical and Magnetic Dimensions

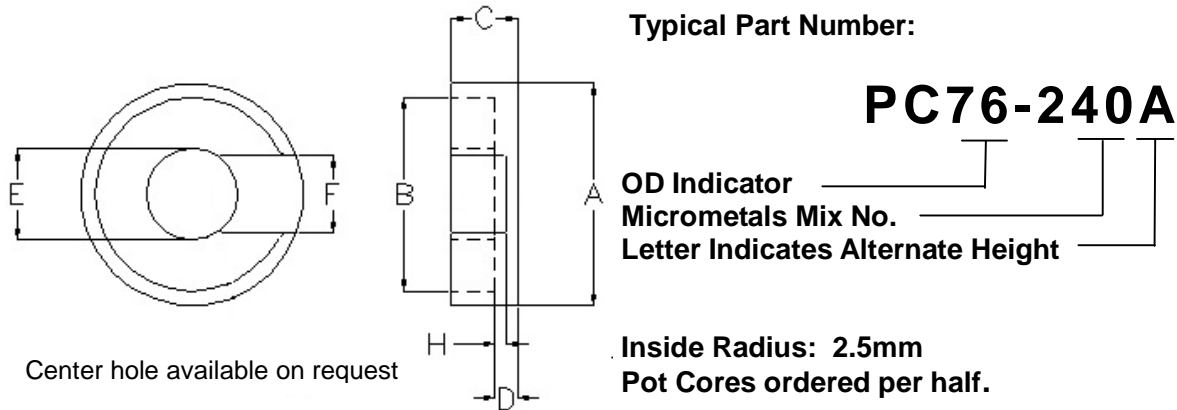
Pot Core	$A_L^{1)}$	A	B	C	D	E	F	G	H	Win dow	L_e	A_e	V_e
Unit Part No.	nH/ N^2	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	cm	cm ²	cm ³
PC101-440A	626	80,0	69,0	20,5	11,0	40,5	20,0	4,5	1,50	3,13	12,1	13,7	166
PC101-440B	529	80,0	69,0	25,5	16,0	40,5	20,0	4,5	1,50	4,56	14,1	13,5	190
PC101-440C	458	80,0	69,0	30,5	21,0	40,5	20,0	4,5	1,50	5,98	16,1	13,3	215
PC101-440D	404	80,0	69,0	35,5	26,0	40,5	20,0	4,5	1,50	7,41	18,1	13,2	239
PC101-440E	361	80,0	69,0	40,5	31,0	40,5	20,0	4,5	1,50	8,83	20,1	13,1	264

Dimension Tolerance [mm]

Pot Core Prefix	A	B	C	D	E	F	G
PC101	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3

1) Inductance specified for 2 ungapped pot cores. Please note that cores are manufactured to inductance value and may have a slight gap.

60mm Pot Cores



Physical and Magnetic Dimensions

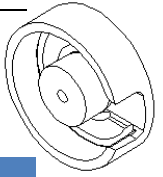
Pot Core	A_L^1	A	B	C	D	E	F	H	Win dow	L_e	A_e	V_e
Unit Part No.	nH/ N ²	mm	mm	mm	mm	mm	mm	mm	cm ²	cm	cm ²	cm ³
PC76-240A -202A	360 88	59.8	51.5	20.0	7.0	25.0	14.9	2.0	3.18	11.3	6.56	74.4
PC76-240B -202B	267 73	59.8	51.5	25.0	7.0	25.0	14.9	2.0	4.51	13.3	6.45	85.9
PC76-240C -202C	229 63	59.8	51.5	30.0	7.0	25.0	14.9	2.0	5.83	15.3	6.36	97.5
PC76-240D -202D	201 55	59.8	51.5	35.0	7.0	25.0	14.9	2.0	7.16	17.3	6.29	109

Dimension Tolerance [mm]

Pot Core Prefix	A	B	C	D	E	F	G
PC76	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3	+/- 0.3

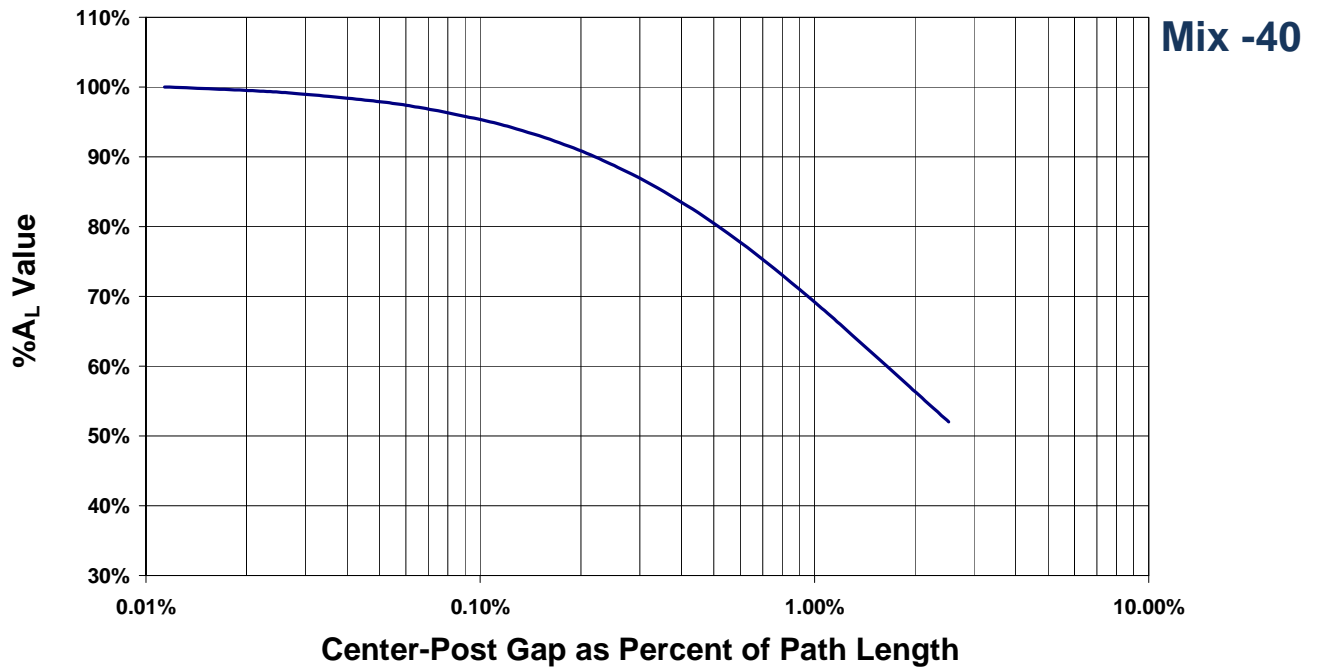
1) Inductance specified for 2 ungapped pot cores. Please note that cores are manufactured to inductance value and may have a slight gap.

Material-Properties for Pot Cores



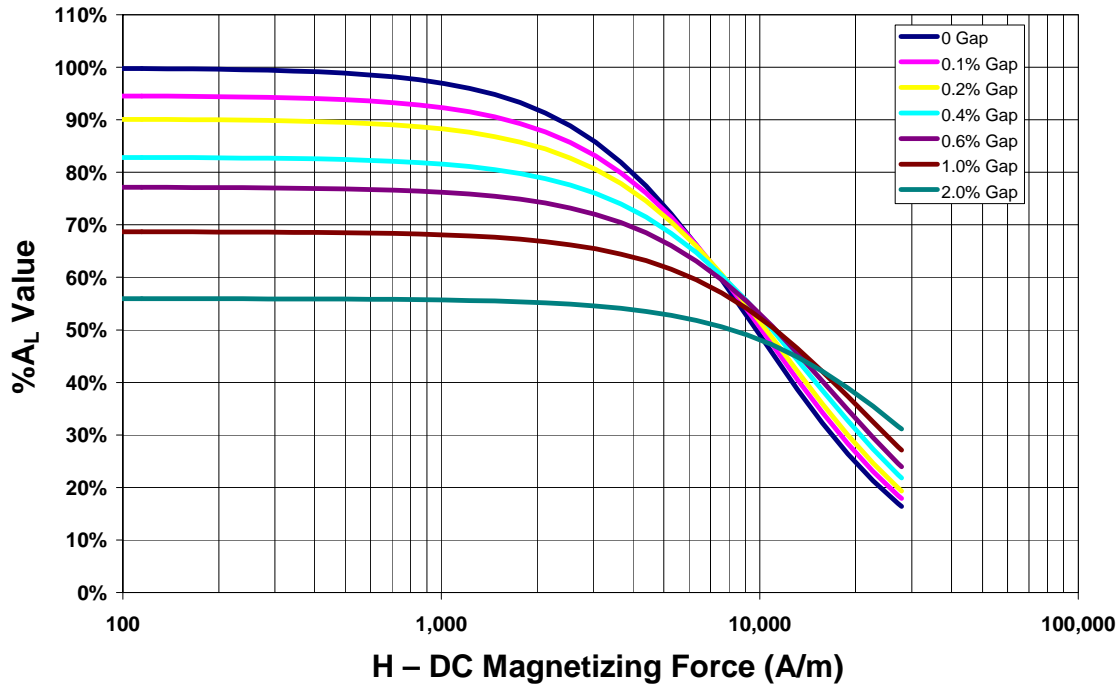
Material Mix	Permeability μ_i	Permeability (40 mT)	Maximum Permeability	Saturation Flux Density	Coercive Force	Spec. Core Loss (0,1T ; 1 kHz)	Hysteresis Loss (1T ; 50 Hz)	Material Density
				T	A/cm	$\mu\text{Ws}/\text{cm}^3$	mW/cm^3	g/cm^3
-40	47	67	77	1,5	3,66	30	77	6,3
-02	12	12	14	0,6	2,8	13,9	57	5,0

%A_L Value vs. Center-Post Gap of Path Length



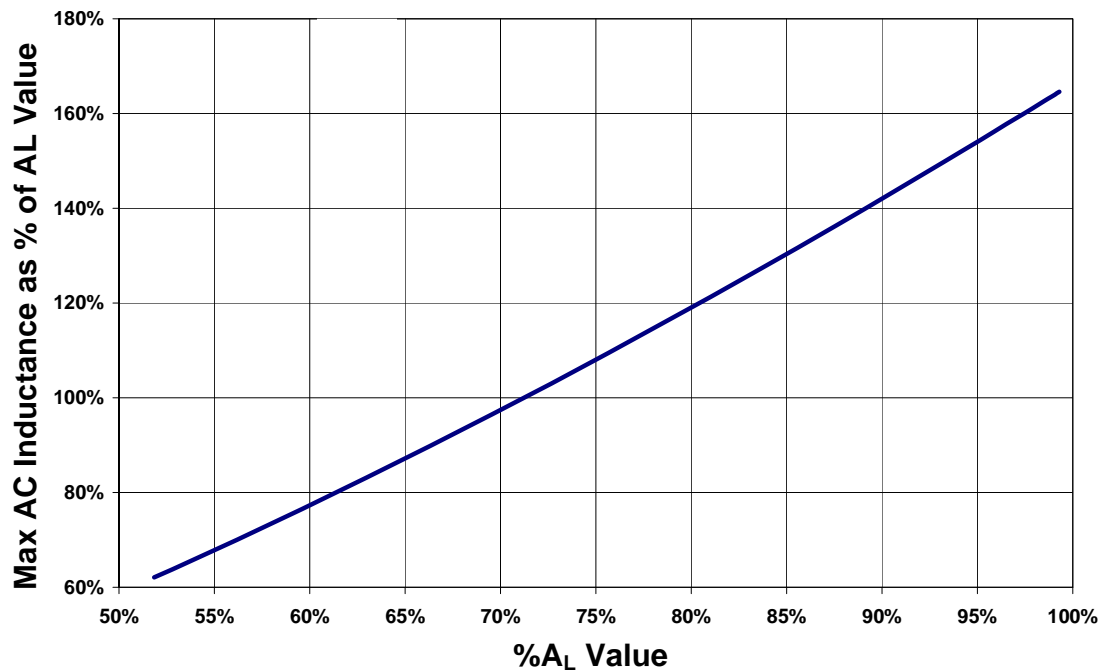
DC Magnetizing Force vs. %A_L Value

Mix -40

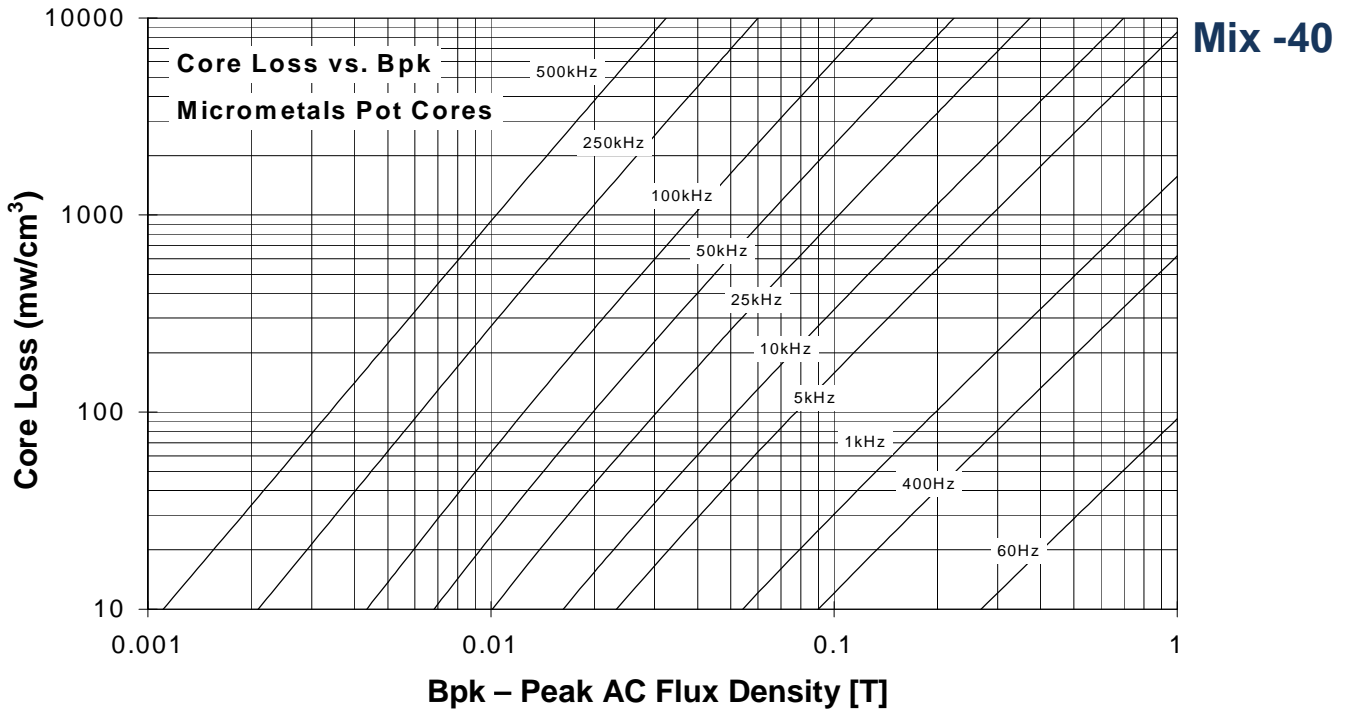


Max AC Inductance Swing vs. %A_L Value

Mix -40



Core Losses vs. Peak Flux Density



Core Losses vs. Peak Flux Density

Mix -2

