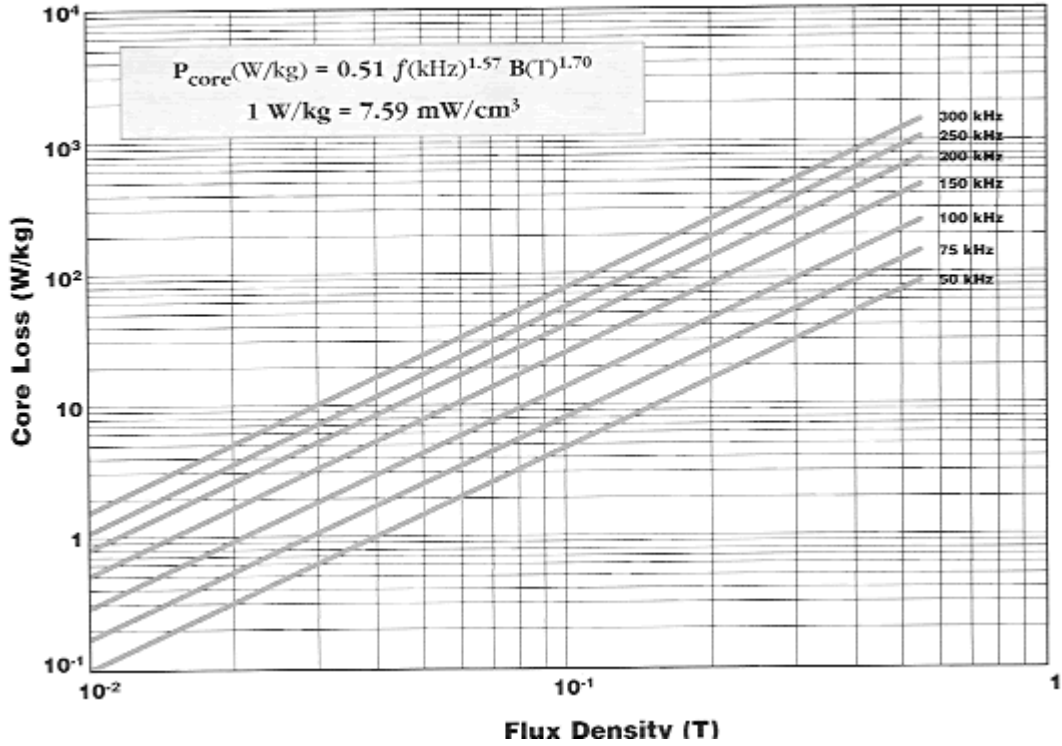
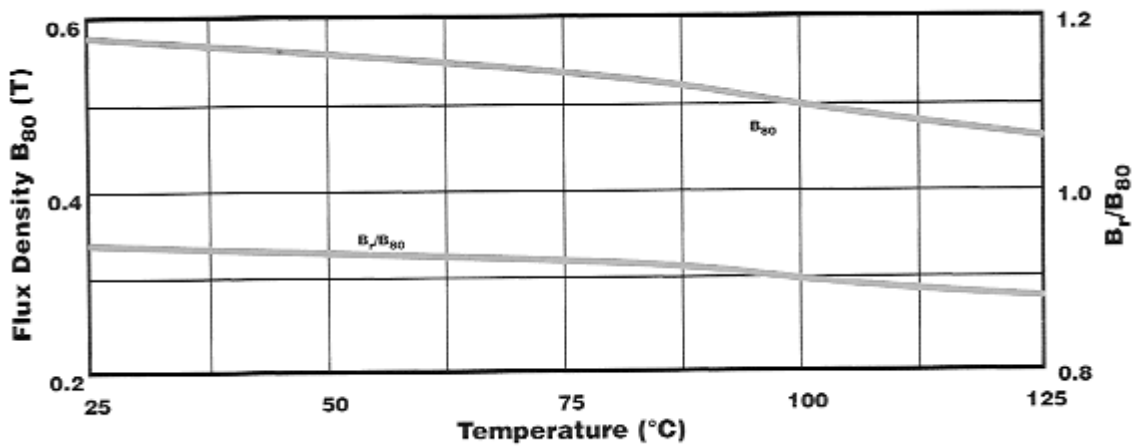


**Core Loss vs. Flux Density†  
@ 25°C**

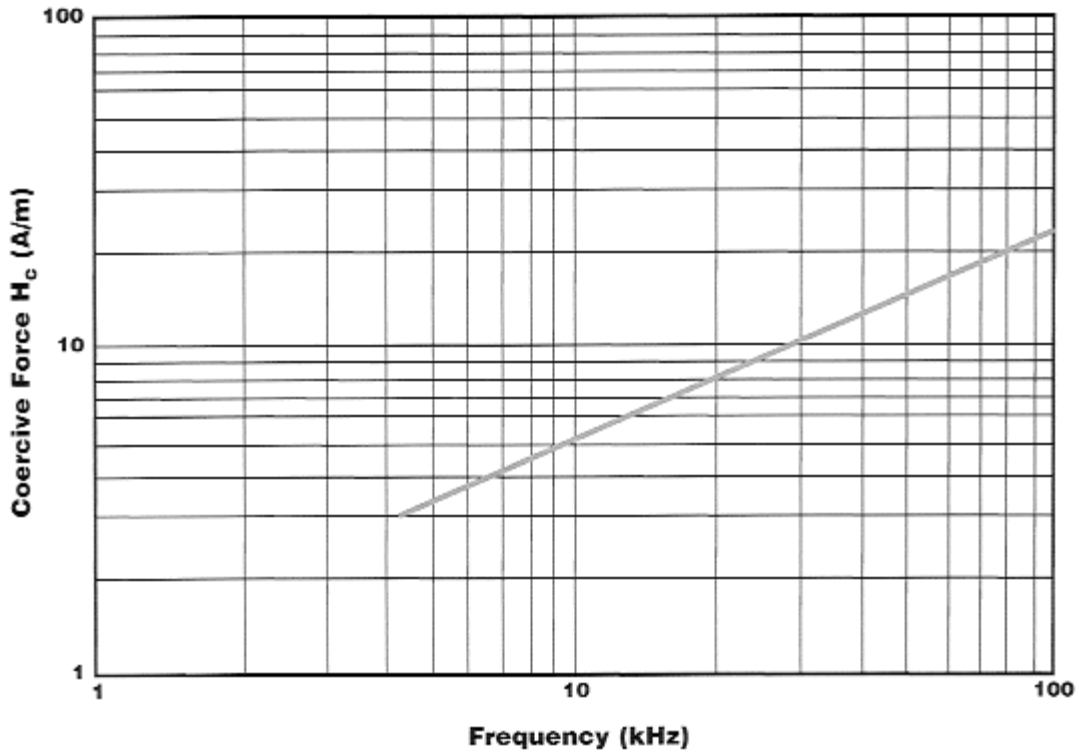


**B<sub>80</sub>, B<sub>r</sub>/B<sub>80</sub> vs. Temperature§**

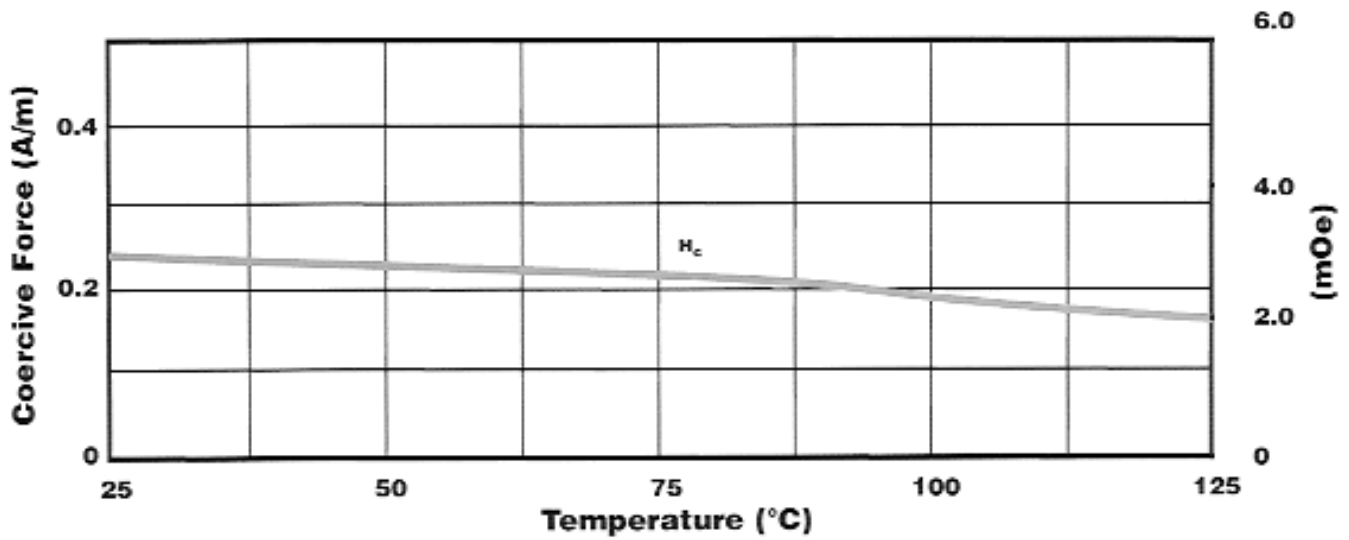


† B<sub>80</sub> - Flux Density @ 80 A/m

**Coercive Force vs. Frequency  
@ 25°C**



**Coercive Force vs. Temperature††**



†† 1 Oe = 79.6 A/m

MAGAMP COATED CORES	COATED CORE DIMENSIONS WITH OVALITY			CALCULATED SPECIFICATIONS				BARE CORE	MAGNETIC SPECIFICATIONS	TEST SPECIFICATIONS	
	Core Type	OD (mm)	ID (mm)	Ht (mm)	Lm <sup>2</sup> (cm)	Ac <sup>2</sup> (cm <sup>2</sup> )	Wa <sup>2</sup> (cm <sup>2</sup> )	WaAc <sup>4</sup> (cm <sup>4</sup> )	Mass (g)	Bsat (T)	Squareness Ratio @ 5kHz / 0.5Oe, 4 Turns (Br/Bm)
		(max)	(min)	(max)	(nom)	(nom)	(nom)	(nom)	(nom)	(nom)	(min)
MP1005M4AS	11.37	5.91	6.12	2.59	0.06	0.27	0.02	1.20	0.57	84%	
MP1105M4AS	12.50	8.76	6.29	3.24	0.03	0.60	0.02	0.77	0.57	84%	
MP1205M4AS	13.30	7.77	6.29	3.14	0.06	0.47	0.03	1.39	0.57	84%	
MP1303M4AS	14.32	8.76	4.70	3.50	0.04	0.60	0.02	1.12	0.57	84%	
MP1305M4AS	14.07	8.76	6.29	3.46	0.06	0.60	0.03	1.53	0.57	84%	
MP1405M4AS	15.54	8.76	6.29	3.67	0.08	0.60	0.05	2.35	0.57	84%	
MP1505M4AS	16.87	8.76	6.29	3.87	0.11	0.60	0.06	3.17	0.57	84%	
MP1506M4AS	16.80	8.76	7.87	3.86	0.14	0.60	0.08	4.18	0.57	84%	
MP1603M4AS	17.58	11.86	4.70	4.50	0.04	1.10	0.05	1.43	0.57	84%	
MP1705M4AS	18.75	11.86	6.29	4.66	0.08	1.10	0.09	2.95	0.57	84%	
MP1706M4AS	18.73	11.86	7.87	4.68	0.11	1.10	0.12	4.07	0.57	84%	
MP1805M4AS	20.25	11.86	6.29	4.88	0.11	1.10	0.12	4.10	0.57	84%	
MP1903M4AS	21.24	11.86	4.70	5.00	0.08	1.10	0.09	3.17	0.57	84%	
MP1905M4AS	20.29	11.86	6.29	4.92	0.11	1.10	0.12	4.29	0.57	84%	
MP1906M4AS	20.97	11.86	7.87	4.99	0.16	1.10	0.18	6.23	0.57	84%	
MP2006M4AS	21.81	14.33	7.87	5.54	0.12	1.61	0.20	5.20	0.57	84%	
MP2008M4AS	21.86	11.86	9.91	5.15	0.25	1.10	0.27	9.88	0.57	84%	
MP2208M4AS	23.69	15.57	9.91	6.01	0.18	1.90	0.33	8.16	0.57	84%	
MP2303M4AS	24.91	15.57	4.70	6.19	0.08	1.90	0.15	3.88	0.57	84%	
MP2306M4AS	25.13	15.57	7.87	6.23	0.17	1.90	0.32	8.16	0.57	84%	
MP2410M4AS	26.30	18.05	11.05	6.83	0.21	2.56	0.53	10.91	0.57	84%	
MP2505M4AS	27.43	18.05	6.29	7.01	0.12	2.56	0.32	6.75	0.57	84%	
MP2510M4AS	27.47	18.05	11.05	7.01	0.25	2.56	0.64	13.50	0.57	84%	
MP2705M4AS	29.10	15.57	6.29	6.89	0.21	1.90	0.39	11.03	0.57	84%	
MP3005M4AS	32.01	18.05	6.29	7.69	0.21	2.56	0.53	12.30	0.57	84%	
MP3210M4AS	34.72	21.14	11.05	8.58	0.39	3.51	1.36	25.78	0.57	84%	
MP3506M4AS	37.43	24.24	7.87	9.52	0.25	4.61	1.15	18.35	0.57	84%	

\*  $\alpha$  = Mean magnetic path length,  $\beta$  = Net Cross-sectional area,  $\gamma$  = Core Window area and  $x$  = Area product.

\* All measurements are done at Room Temperature (22°C to 28°C)

\* Continuous Operating Temperature : 90°C (max.).

\* Ovality of 5% on outer and inner diameter is permissible.

\* Powder coated core, minimum coating thickness of 0.076 mm (3 mils) is maintained on core surface.

\* Powder Coating Material:-DuPont (EFB534S0) / Manufacturer UL File # E206123.

FM No. EG/FM/0023 Rev. No.: 0 Date: 12/May/15

MAGAMP BOXED CORES	BOXED CORE DIMENSIONS			CALCULATED SPECIFICATIONS				BARE CORE	MAGNETIC SPECIFICATIONS	TEST SPECIFICATIONS				
	Core Type (X)	OD (mm)	ID (mm)	Ht (mm)	$Lm^\alpha$ (cm)	$Ac^\beta$ (cm <sup>2</sup> )	$Wa^\gamma$ (cm <sup>2</sup> )			$WaAc^x$ (cm <sup>4</sup> )	Mass (g)	Bsat (T)	Squareness Ratio @ 5kHz / 0.5Oe, 4 Turns (Br/Bm)	
		(max)	(min)	(max)	(nom)	(nom)	(nom)			(nom)			(nom)	(nom)
MP1005X4AS	11.20	5.30	6.00	2.59	0.06	0.25	0.01	1.20	0.57	86%	-			
MP1205X4AS	14.10	6.50	6.90	3.14	0.06	0.36	0.02	1.39	0.57	86%	-			
MP1303X4AS	15.00	7.60	5.40	3.50	0.04	0.49	0.02	1.12	0.57	86%	-			
MP1305X4AS	14.70	7.60	7.00	3.46	0.06	0.49	0.03	1.53	0.57	86%	-			
MP1405X4AS	16.10	7.60	7.00	3.67	0.08	0.49	0.04	2.35	0.57	86%	-			
MP1506X4AS / AH	17.40	7.50	8.60	3.86	0.14	0.48	0.07	4.18	0.57	86%	92%			
MP1603X4AS	18.10	10.70	5.40	4.50	0.04	0.95	0.04	1.43	0.57	86%	-			
MP1805X4AS	21.10	10.50	7.10	4.88	0.11	0.92	0.10	4.10	0.57	86%	-			
MP1903X4AS	21.50	10.70	5.40	5.00	0.08	0.95	0.08	3.17	0.57	86%	-			
MP1906X4AS / AH	21.50	10.70	8.60	4.99	0.16	0.95	0.15	6.23	0.57	86%	92%			
MP2008X4AS / AH	22.50	10.70	10.70	5.15	0.25	0.95	0.24	9.88	0.57	86%	92%			
MP2303X4AS	25.20	14.60	5.40	6.19	0.08	1.74	0.14	3.88	0.57	86%	-			
MP2410X4AS / AH	28.10	17.00	11.80	6.83	0.21	2.35	0.48	10.91	0.57	86%	92%			
MP2510X4AS / AH	28.10	17.00	11.80	7.01	0.25	2.35	0.58	13.50	0.57	86%	92%			
MP2705X4AS / AH	29.80	14.50	7.00	6.89	0.21	1.72	0.36	11.03	0.57	86%	92%			
MP3210X4AS / AH	35.30	19.60	11.80	8.58	0.39	3.11	1.21	25.78	0.57	86%	92%			

\*  $\alpha$  = Mean magnetic path length,  $\beta$  = Net Cross-sectional area,  $\gamma$  = Core Window area and  $x$  = Area product.

\* All measurements are done at Room Temperature (22°C to 28°C)

\* Continuous Operating Temperature :90°C max. (Irrespective of type of box used).

BOX MATERIAL	BOX DESIGNATION (X)	MATERIAL DuPont	MANUFACTURER UL FILE #	MANUFACTURER FLAMMABILITY RATING
	P	ZYTEL 70G33L	E41938	HB
	L	ZYTEL FR50	E41938	94 V0
	V	RYNITE FR530L	E69578	94 V0

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