

• CSC's New Sendust 147 μ & 160 μ



For a long time, Maximum permeability of Sendust was 125 μ . But, from now on, you can over the limit with CSC's new high permeability, 147 μ and 160 μ . Also CSC minimized energy storage decreasing by increasing permeability

Part number example

CS270 147

Permeability: 026, 060, 075, 090, 125, 147, 160
Out diameter: ex. 270 = 27.0 mm

❖ Available Core Dimension And AL Value Table

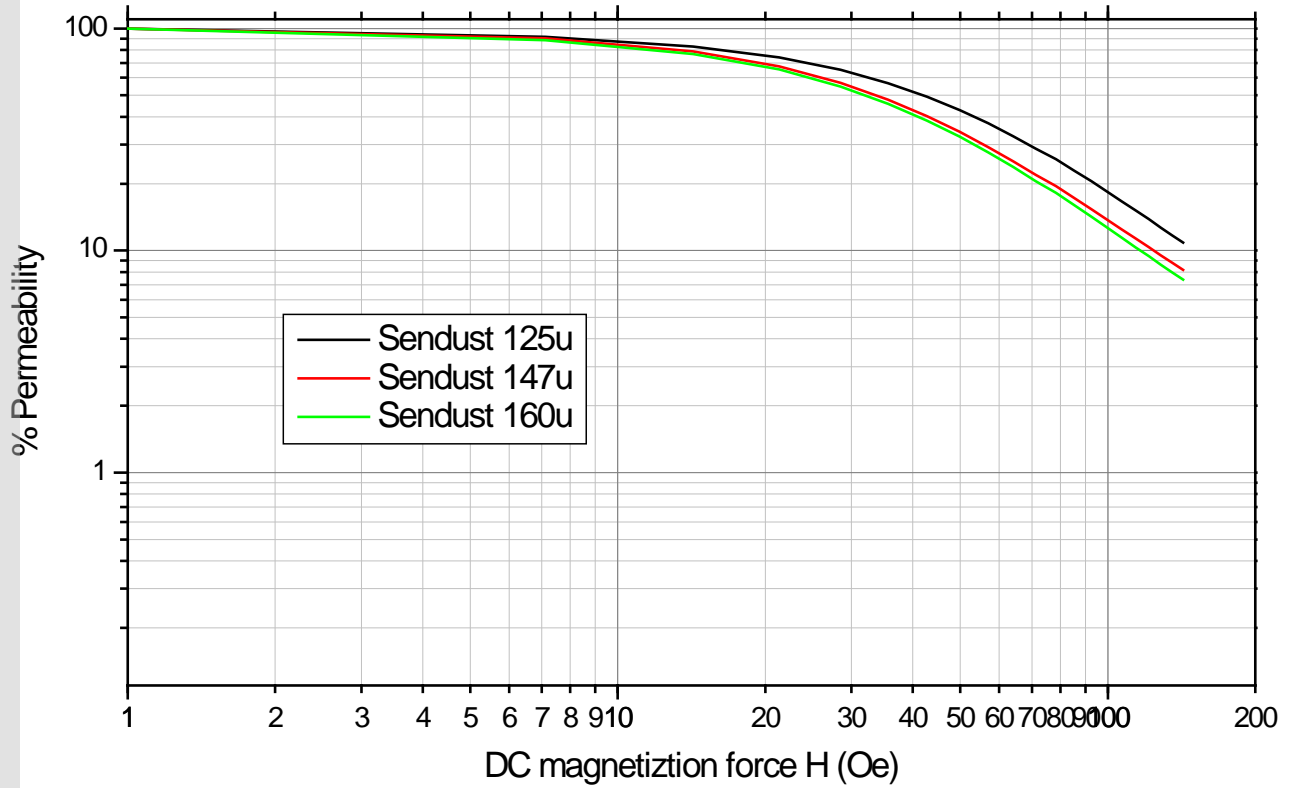
P/N	Before Finish Dimensions			After Finish Dimensions			Weight (g)	Path length (cm)	Cross Section Area (cm ²)	AL value (nH/n ²)	
	OD(mm) MAX	ID(mm) MIN	HT(mm) MAX	OD(mm) MAX	ID(mm) MIN	HT(mm) MAX				147u	160u
CS127	12.70	7.62	4.75	13.46	6.99	5.51	2.29	3.12	0.114	66	72
CS166	16.51	10.16	6.35	17.4	9.53	7.11	5.0	4.11	0.192	85	92
CS172	17.27	9.65	6.35	18.03	9.02	7.11	6.1	4.14	0.232	105	114
CS203	20.32	12.7	6.35	21.1	12.07	7.11	7.3	5.09	0.226	80	87
CS229	22.86	13.97	7.62	23.62	13.39	8.38	11.6	5.67	0.331	106	115
CS234	23.57	14.4	8.89	24.3	13.77	9.7	14.6	5.88	0.388	123	135
CS270	26.92	14.73	11.18	27.7	14.1	11.99	26.3	6.35	0.654	185	237
CS330	33.02	19.94	10.67	33.83	19.3	11.61	34.6	8.15	0.672	149	191
CS343	34.29	23.37	8.89	35.2	22.6	9.83	26.0	8.95	0.454	93	119
CS358	35.81	22.35	10.46	36.7	21.5	11.28	38.8	8.98	0.678	138	177
CS400	39.88	24.13	14.48	40.7	23.3	15.37	67	9.84	1.072	198	253

High Permeability Sendust

RoHs
Compliant

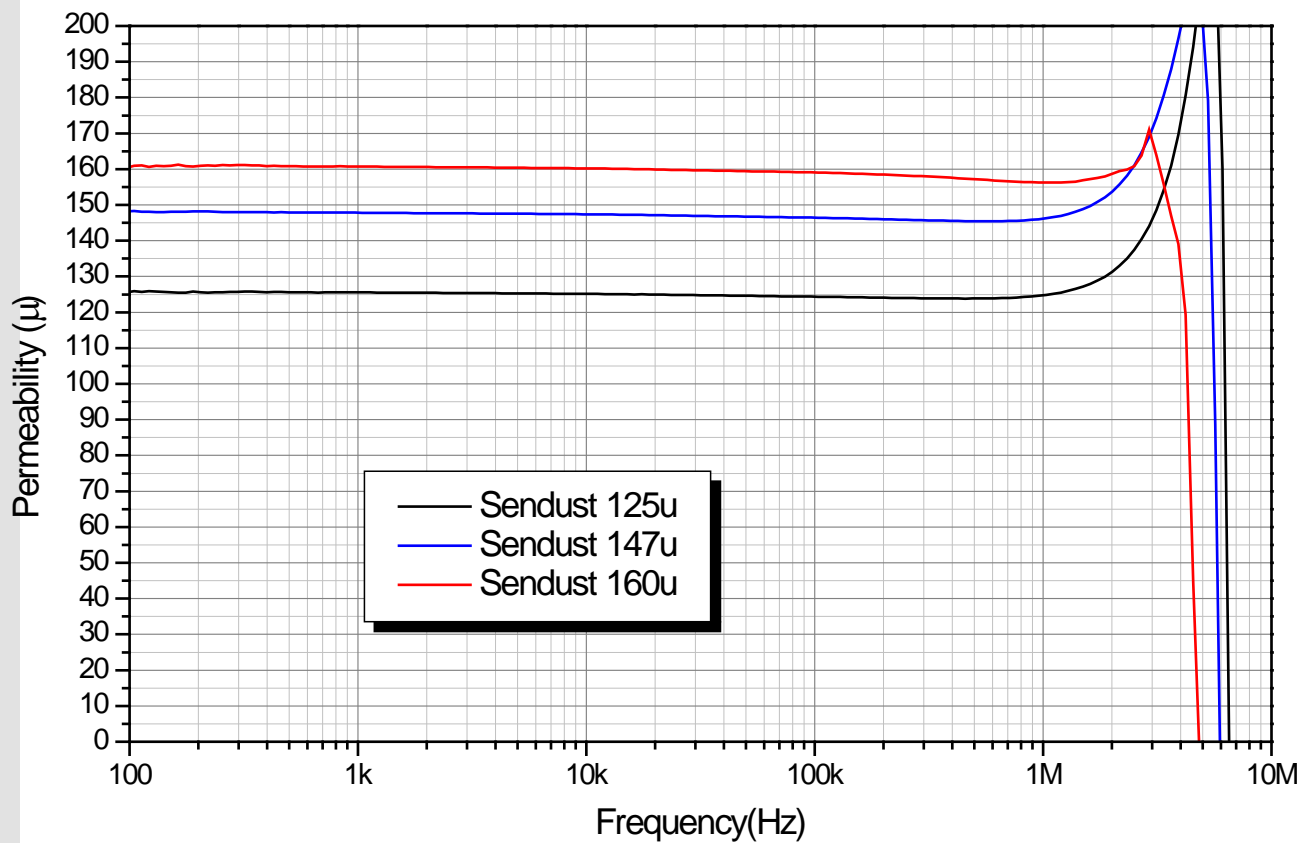
• Electrical Characteristics

Permeability(%) VS. DC-bias



Permeability VS. Frequency

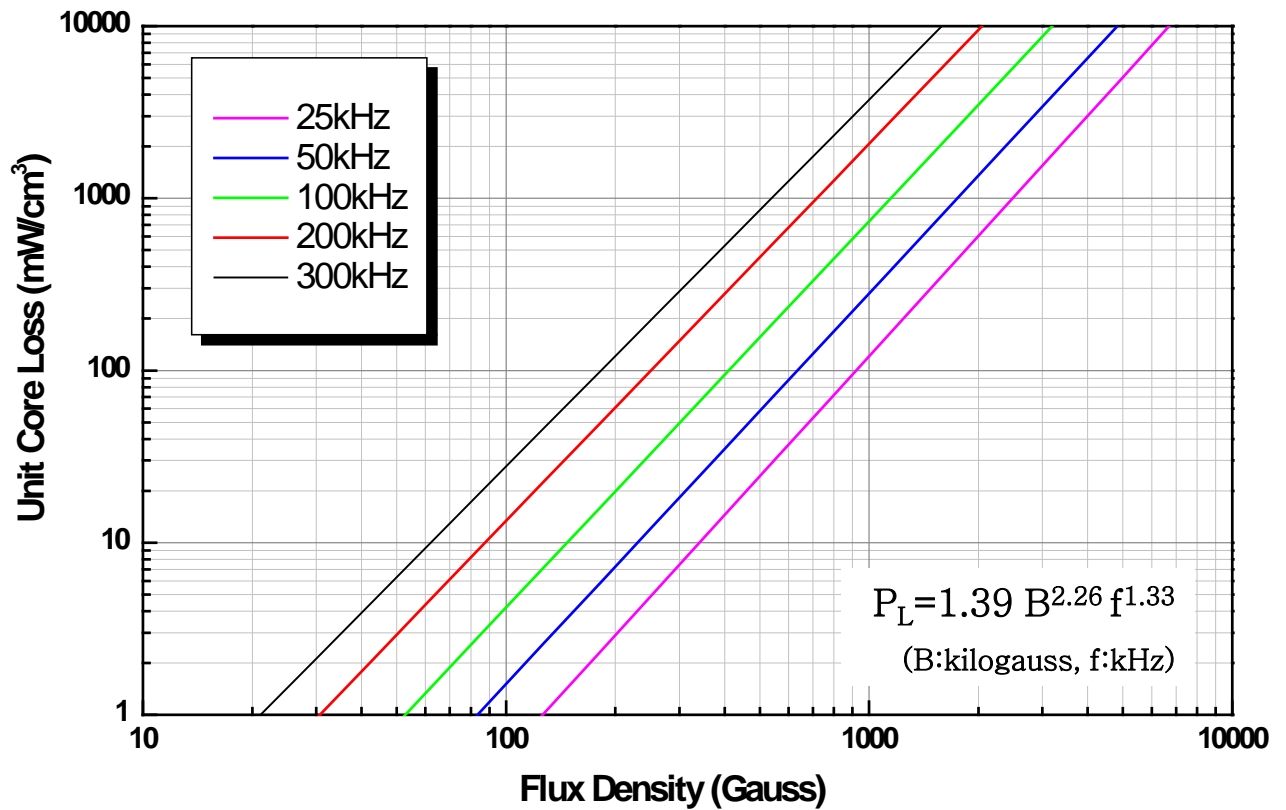
; Stable to 1MHz



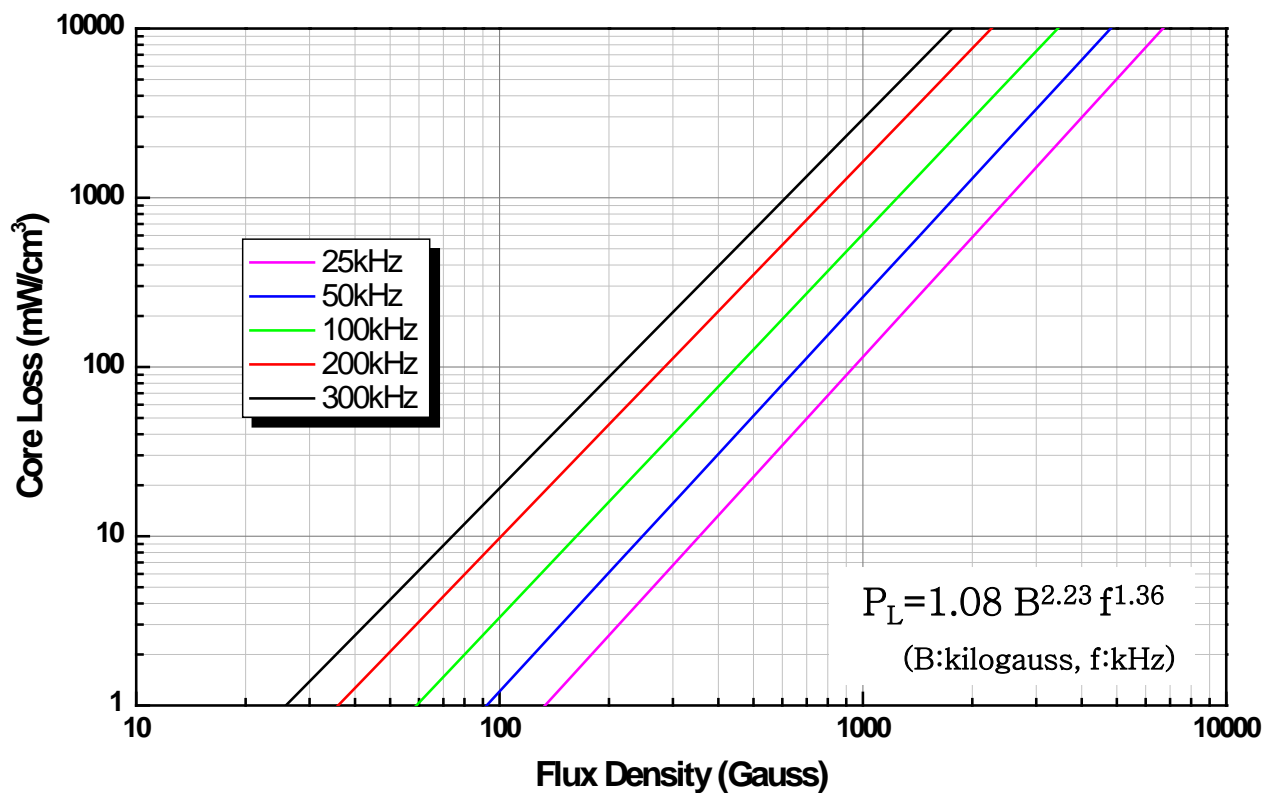
- Electrical Characteristics

Core Loss

Sendust 160u



Sendust 147u



- Temperature Characteristics

% Permeability Change VS. Temperature

