



KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

KARSON Material 2-200 Characteristic

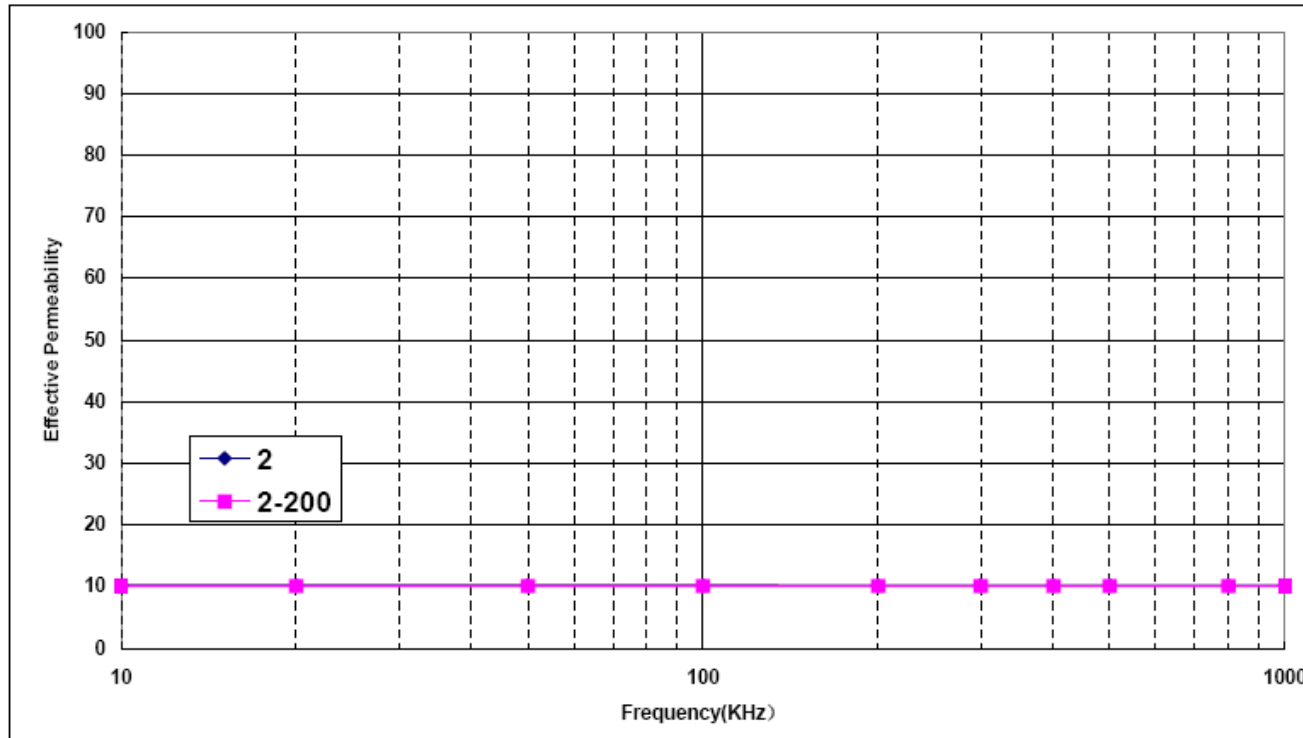
- **Effective Permeability VS Frequency**
- **Initial Permeability VS DC Magnetizing Force**
- **Initial Permeability VS Peak AC Flux Density**
- **Core Loss**
- **Initial Permeability VS Temperature**
- **Thermal Aging**
- **Use Temperature and Curie Temperature**



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◆ Effective Permeability VS Frequency



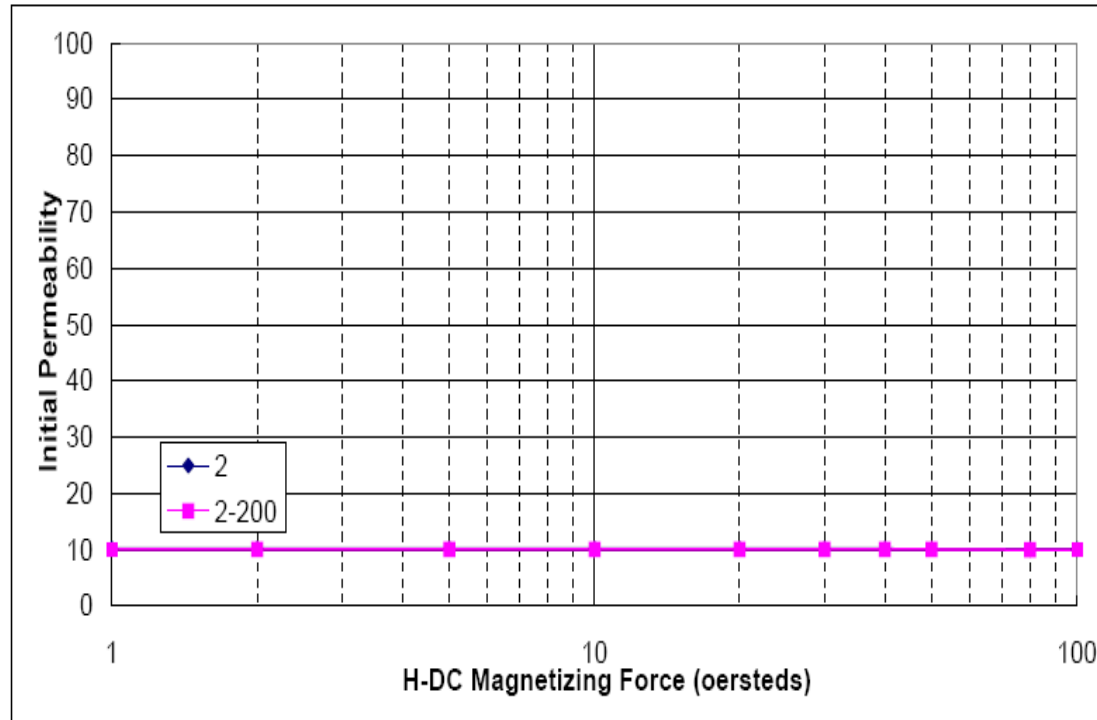
F(KHz)		Mix No									
		10	20	50	100	200	300	400	500	800	1000
ui	2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
	2-200	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
	Difference	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-0.9%	-0.8%	-0.8%	-0.7%	-0.7%



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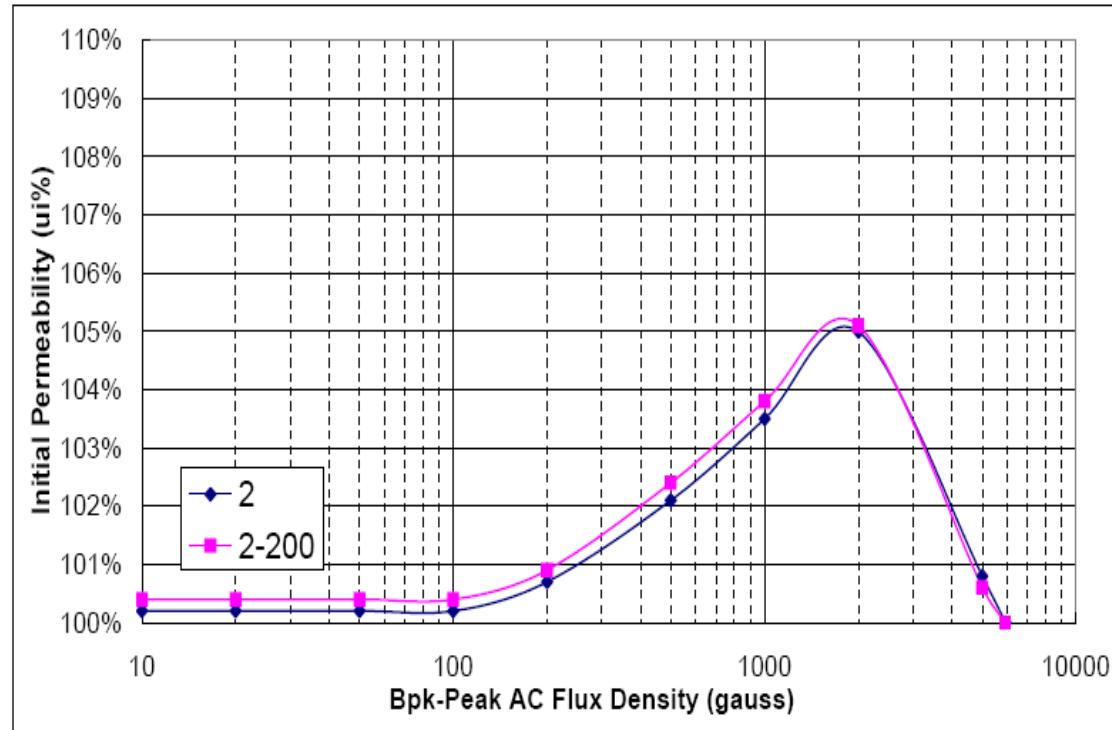
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◆ Initial Permeability VS DC Magnetizing Force



H-DC Mix No		1	2	5	10	20	30	40	50	80	100
		2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	10.1
ui	2-200	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.0	10.0
	Difference	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	0.0%	-1.0%	-1.0%

◆ Initial Permeability VS Peak AC Flux Density



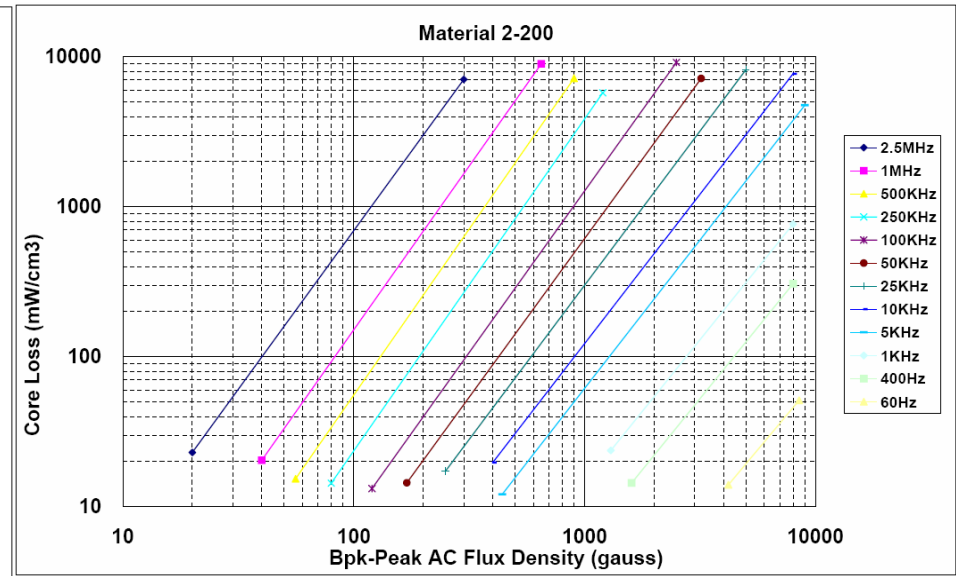
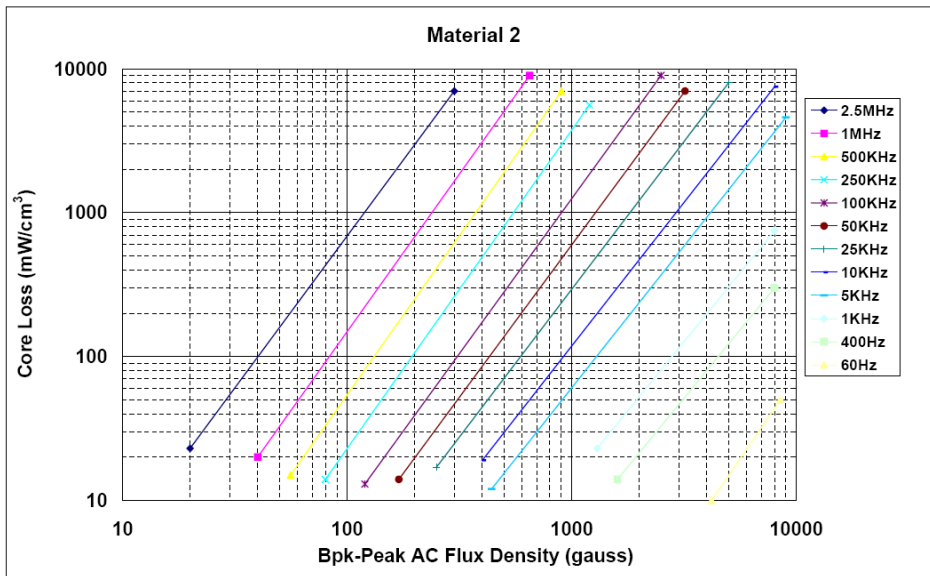
H-DC Mix No		10	20	50	100	200	500	1000	2000	5000	5950
		2	100.2%	100.2%	100.2%	100.2%	100.7%	102.1%	103.5%	105.0%	100.8%
ui	2-200	100.4%	100.4%	100.4%	100.4%	100.9%	102.4%	103.8%	105.1%	100.6%	100.0%
	Difference	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.1%	-0.2%	0.0%



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◆ Core Loss





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◆ Thermal Aging

Operation Temperature vs. Time

