KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

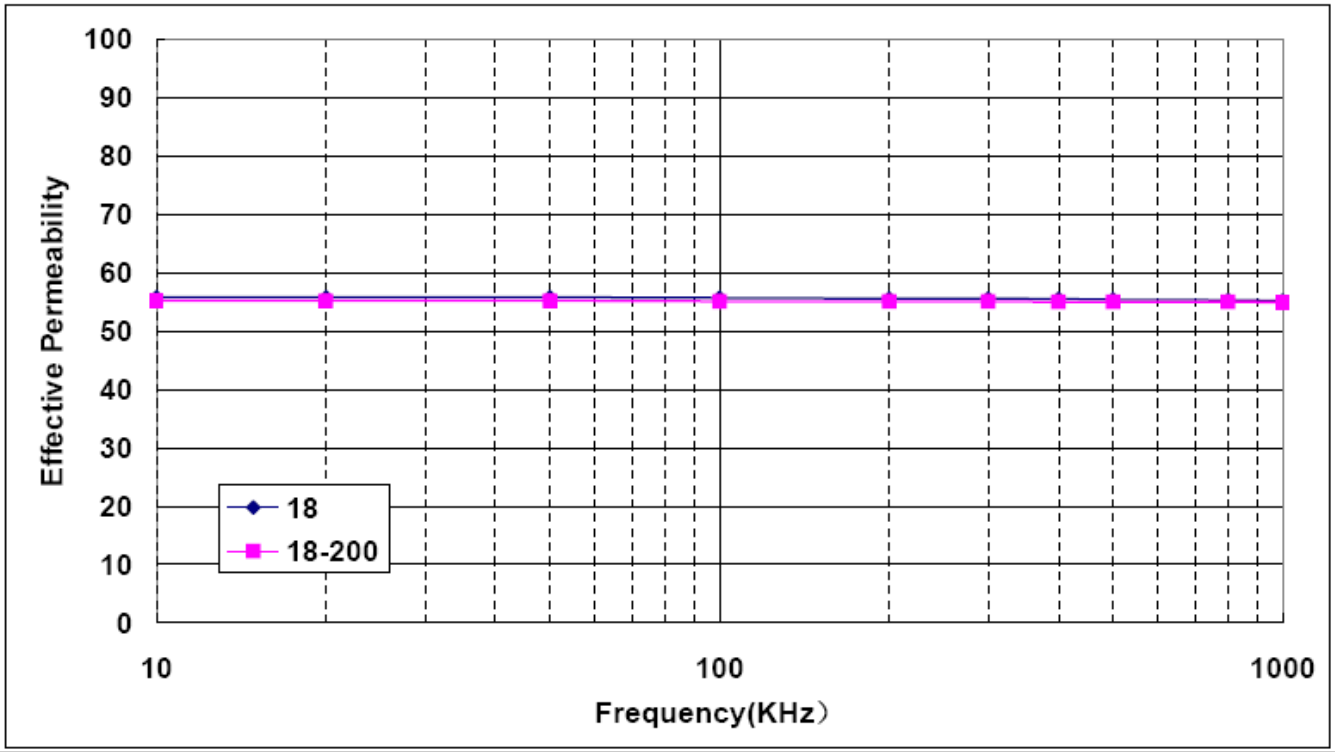
KARSON Material 18-200 Characteristic

- 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

KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

Effective Permeability VS Frequency

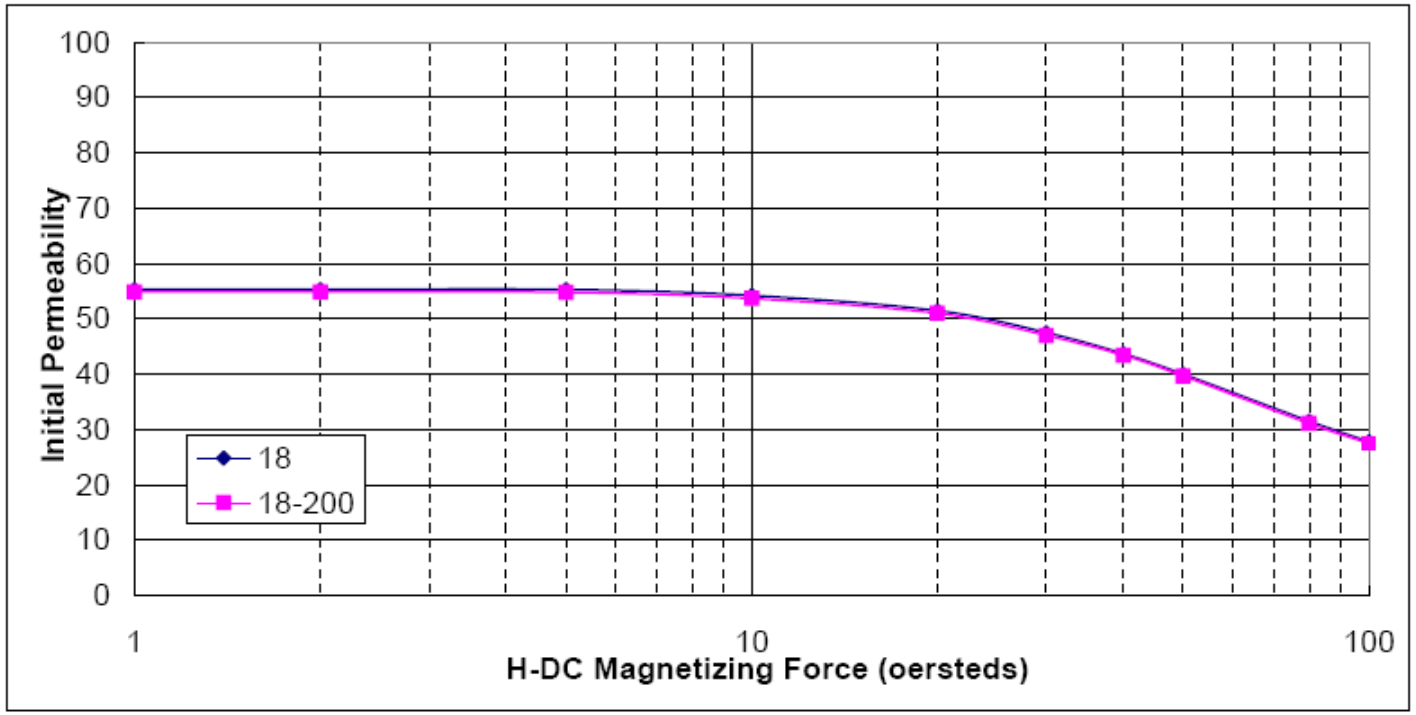


Mix No \ F(KHz)		10	20	50	100	200	300	400	500	800	1000
ui	18	55.8	55.8	55.8	55.7	55.6	55.6	55.5	55.4	55.3	55.2
	18-200	55.2	55.2	55.2	55.1	55.1	55.1	55.0	55.0	55.0	54.9
	Difference	-1.1%	-1.1%	-1.1%	-1.1%	-0.9%	-0.9%	-0.9%	-0.7%	-0.5%	-0.5%

KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

Initial Permeability VS DC Magnetizing Force

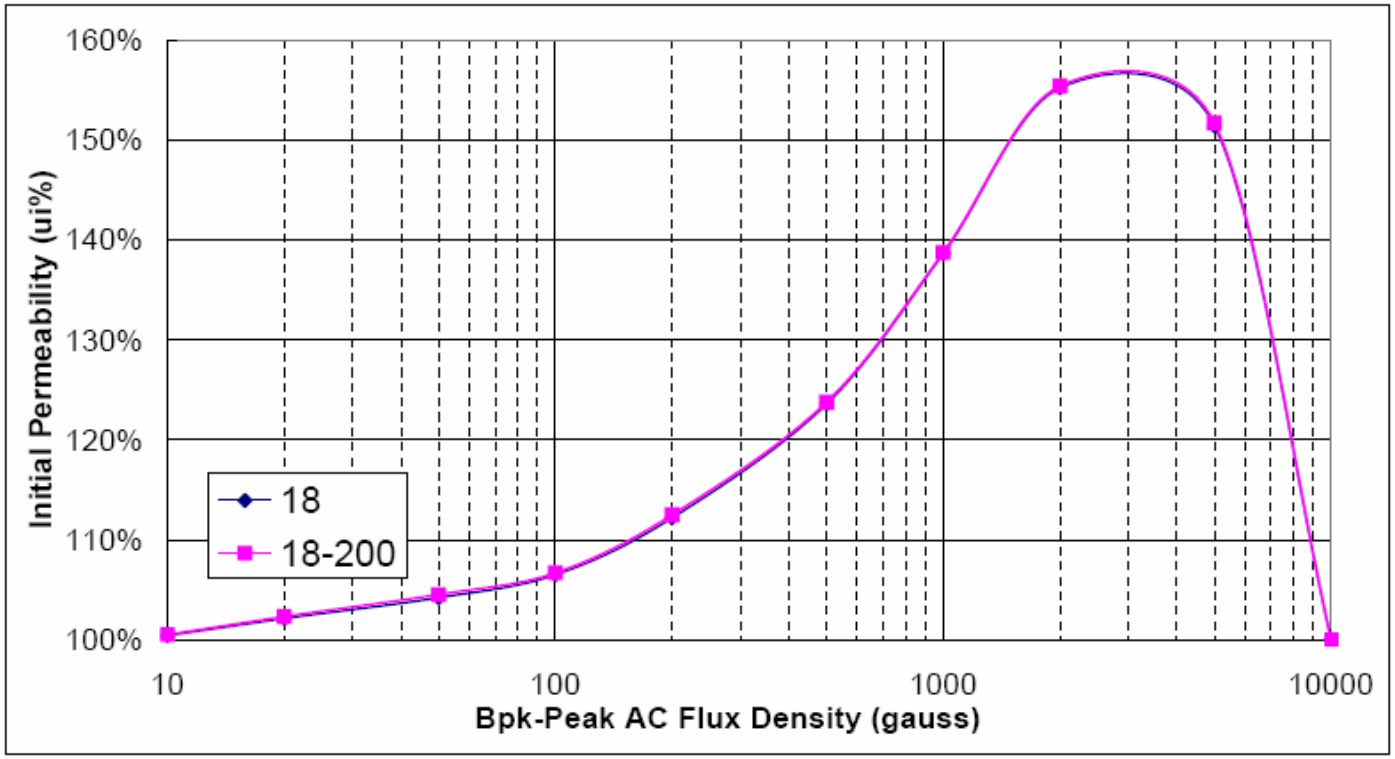


Mix No \ H-DC		1	2	5	10	20	30	40	50	80	100
ui	18	55.3	55.3	55.3	54.2	51.5	47.5	43.7	40.0	31.5	27.8
	18-200	54.9	54.9	54.8	53.7	51.0	47.0	43.4	39.7	31.1	27.5
	Difference	-0.7%	-0.7%	-0.9%	-0.9%	-0.9%	-1.1%	-0.7%	-0.7%	-1.3%	-1.1%

KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

Initial Permeability VS Peak AC Flux Density

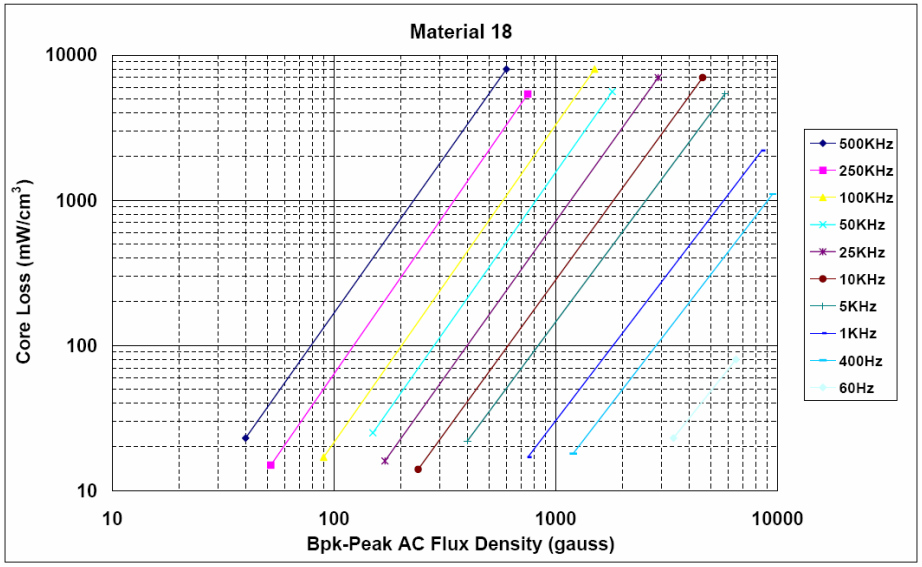


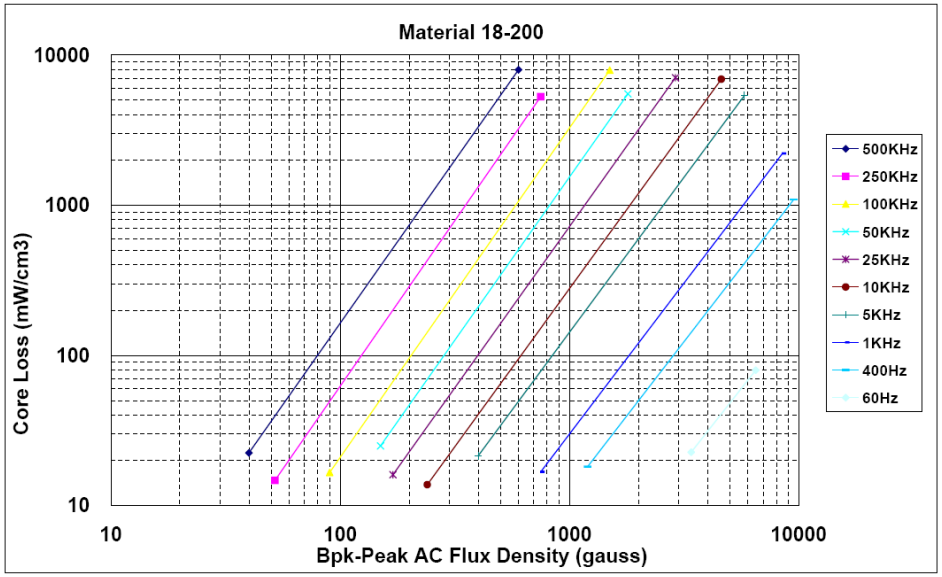
Mix No \ H-DC		10	20	50	100	200	500	1000	2000	5000	10000
ui	18	100.4%	102.1%	104.2%	106.5%	112.2%	123.6%	138.7%	155.3%	151.5%	100.0%
	18-200	100.5%	102.3%	104.5%	106.7%	112.5%	123.8%	138.8%	155.5%	151.8%	100.0%
	Difference	0.1%	0.2%	0.3%	0.2%	0.3%	0.2%	0.1%	0.1%	0.2%	0.0%

KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

Core Loss

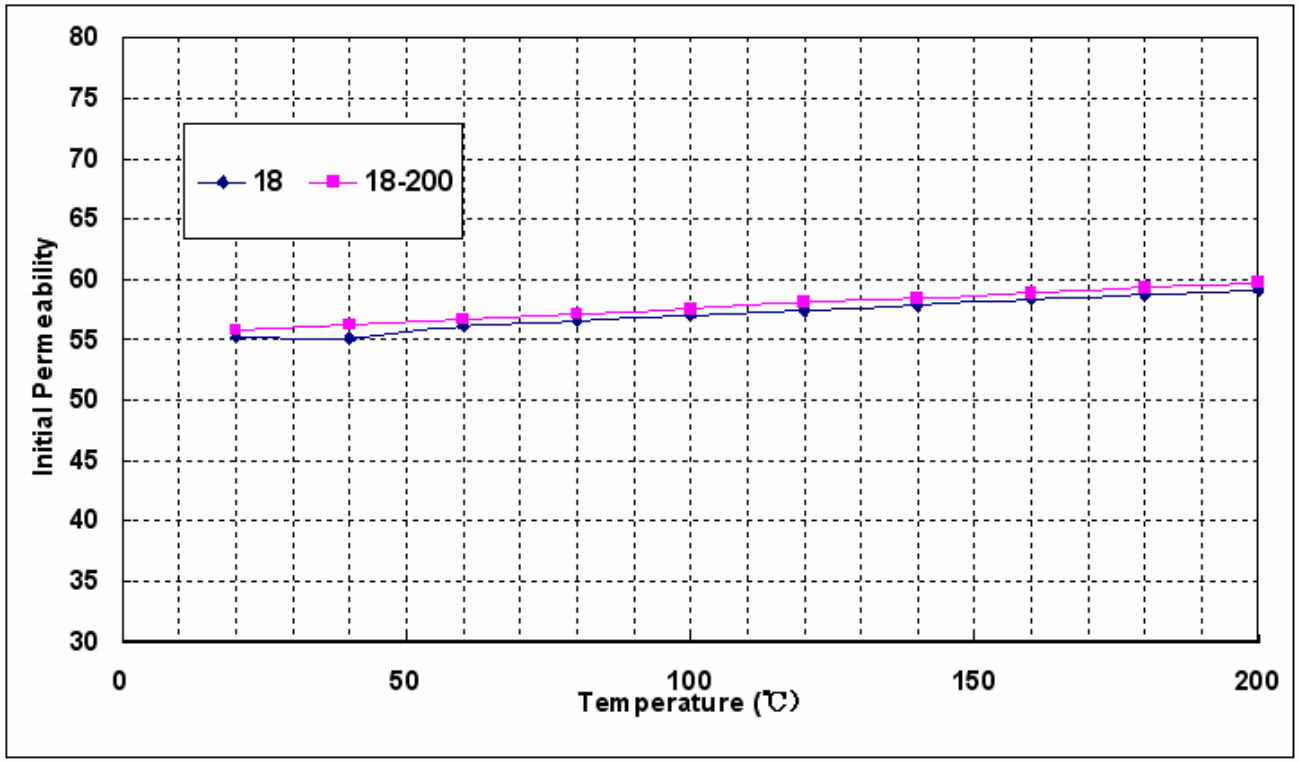




KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

Initial Permeability VS Temperature



Mix No \ Temp(℃)		20	40	60	80	100	120	140	160	180	200
ui	18	55.26	55.12	56.12	56.55	56.98	57.42	57.85	58.36	58.71	59.14
	18-200	55.82	56.26	56.69	57.13	57.56	58.12	58.43	58.87	59.30	59.74
	Difference	1.0%	2.1%	1.0%	1.0%	1.0%	1.2%	1.0%	0.9%	1.0%	1.0%

KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

Thermal Aging