



KARSON ELECTRONIC LTD.

Manufacturer and Supplier of Iron Powder Cores

KARSON Material 26-200 Characteristic

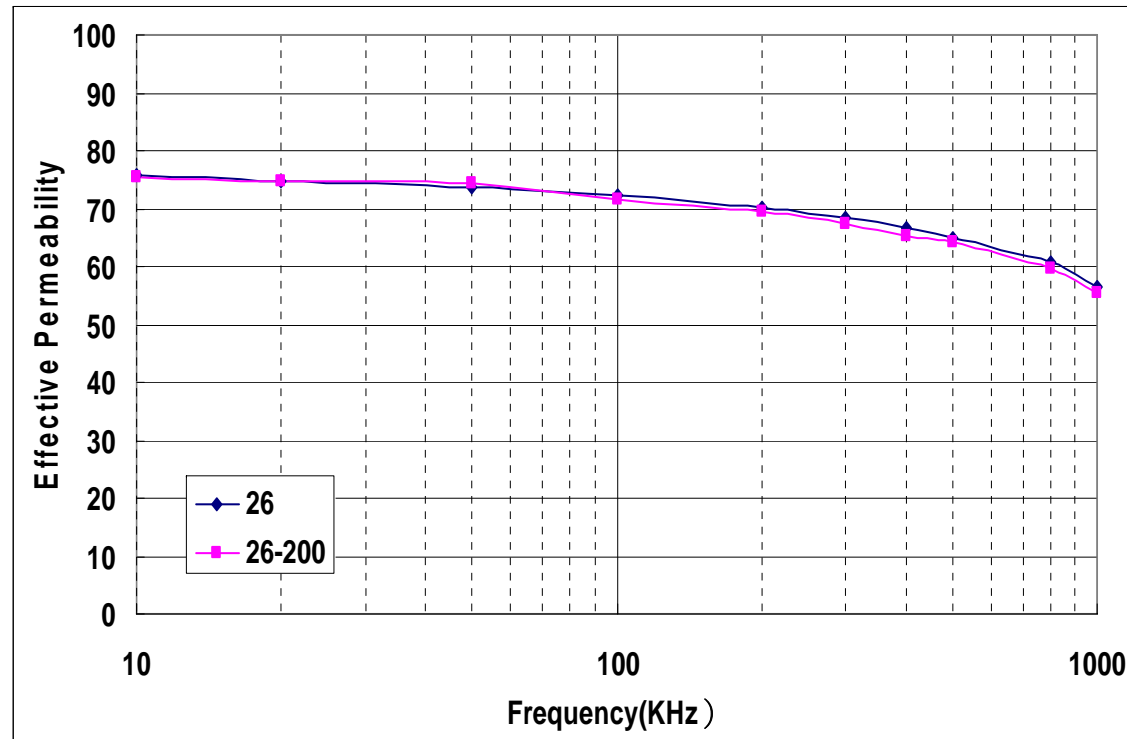
- **Effective Permeability VS Frequency**
- **Initial Permeability VS DC Magnetizing Force**
- **Initial Permeability VS Peak AC Flux Density**
- **Core Loss**
- **Initial Permeability VS Temperature**
- **Thermal Aging**
- **Use Temperature and Curie Temperature**



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◆ Effective Permeability VS Frequency



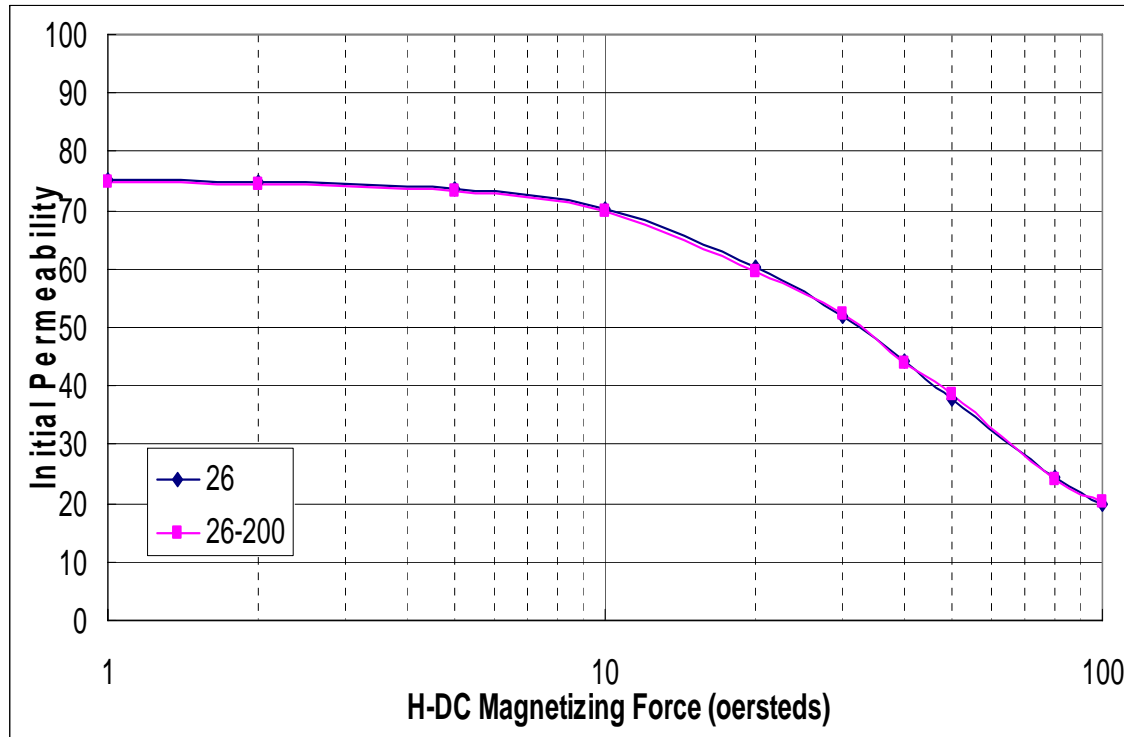
F(KHz) Mix No		10	20	50	100	200	300	400	500	800	1000
		26	75.7	74.9	73.8	72.4	70.2	68.3	66.5	64.8	60.8
ui	26-200	75.4	74.8	74.5	71.7	69.4	67.4	65.1	64.3	59.7	55.6
	Difference	-0.4%	-0.1%	0.9%	-1.0%	-1.1%	-1.3%	-2.1%	-0.8%	-1.8%	-1.6%



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◆ Initial Permeability VS DC Magnetizing Force



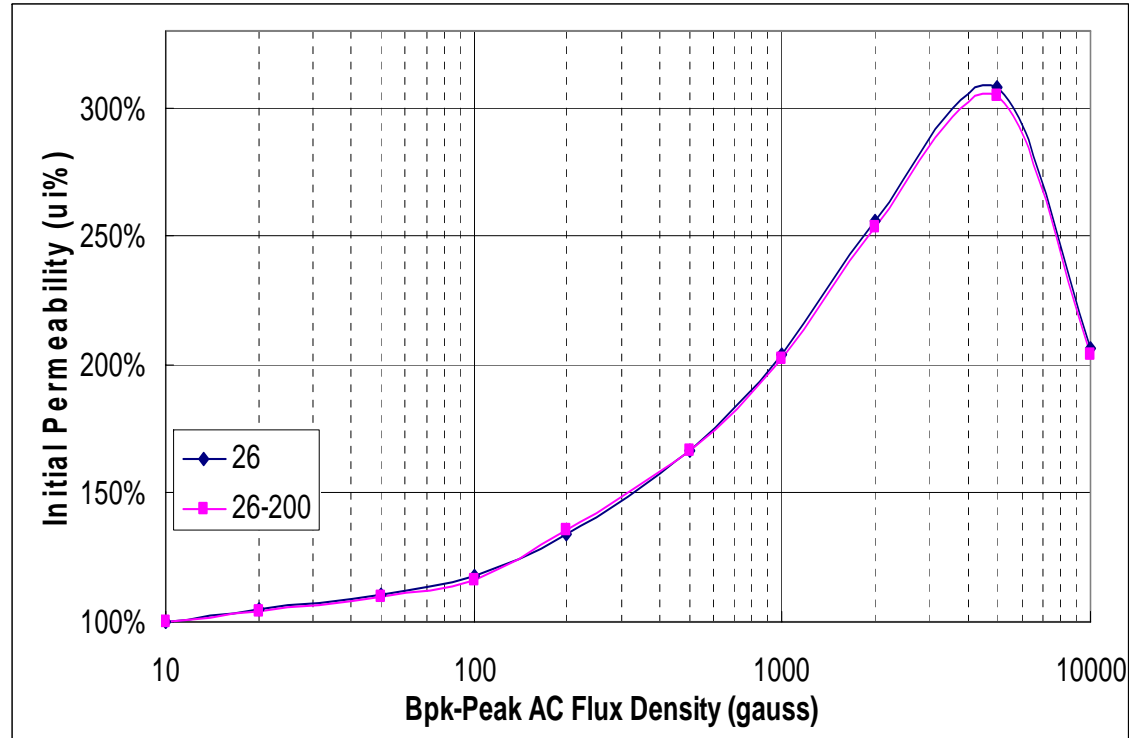
H-DC Mix No		1	2	5	10	20	30	40	50	80	100
		26	75.1	74.7	73.8	70.2	60.4	51.8	44.2	37.8	24.4
ui	26-200	74.9	74.4	73.2	69.7	59.7	52.3	43.8	38.4	24.1	20.3
	Difference	-0.3%	-0.4%	-0.8%	-0.7%	-1.2%	1.0%	-0.9%	1.6%	-1.2%	2.5%



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◆ Initial Permeability VS Peak AC Flux Density



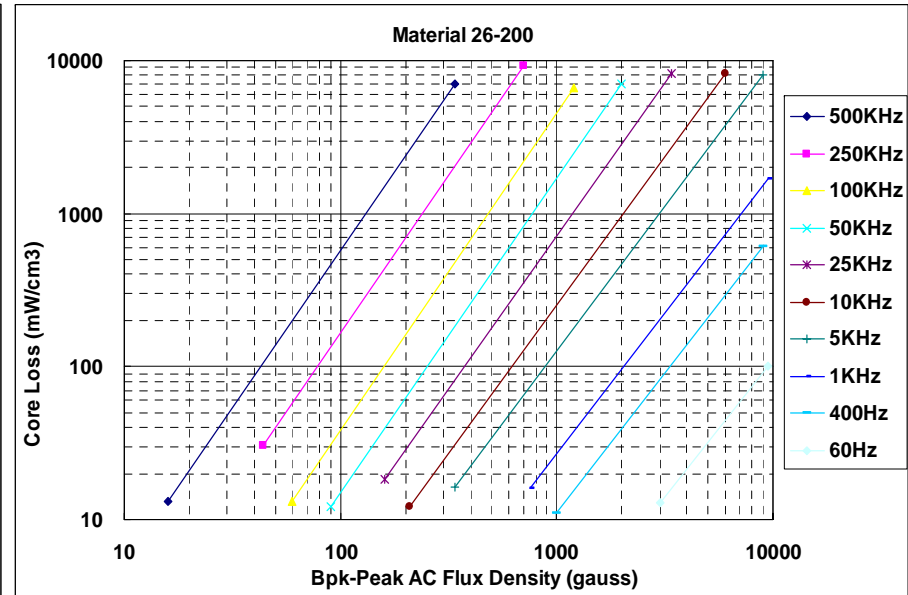
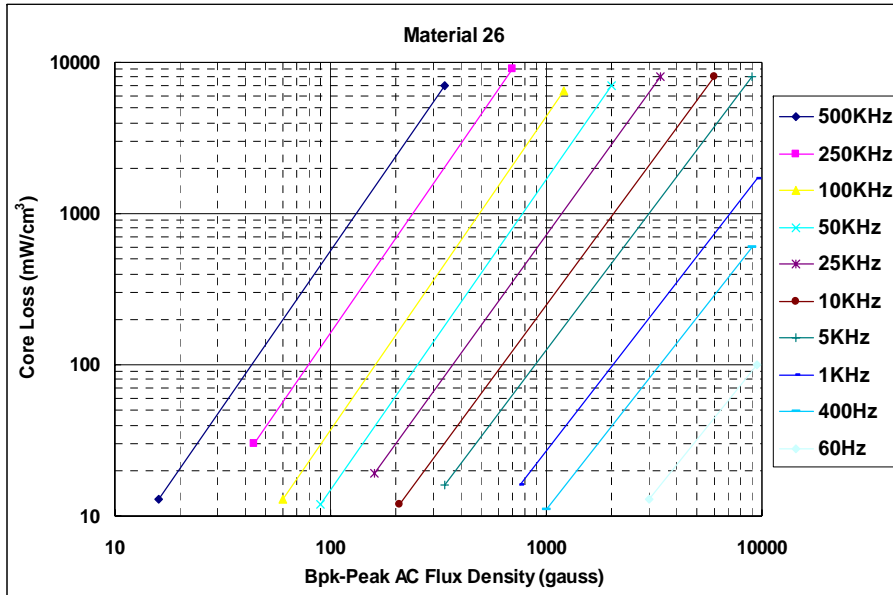
H-DC Mix No		10	20	50	100	200	500	1000	2000	5000	10000
		26	100.2%	104.5%	110.3%	117.5%	134.3%	166.4%	204.0%	255.8%	307.8%
ui	26-200	100.4%	104.3%	109.8%	116.4%	135.4%	166.5%	202.1%	253.2%	304.5%	203.8%
	Difference	0.2%	-0.2%	-0.5%	-0.9%	0.8%	0.1%	-0.9%	-1.0%	-1.1%	-1.3%



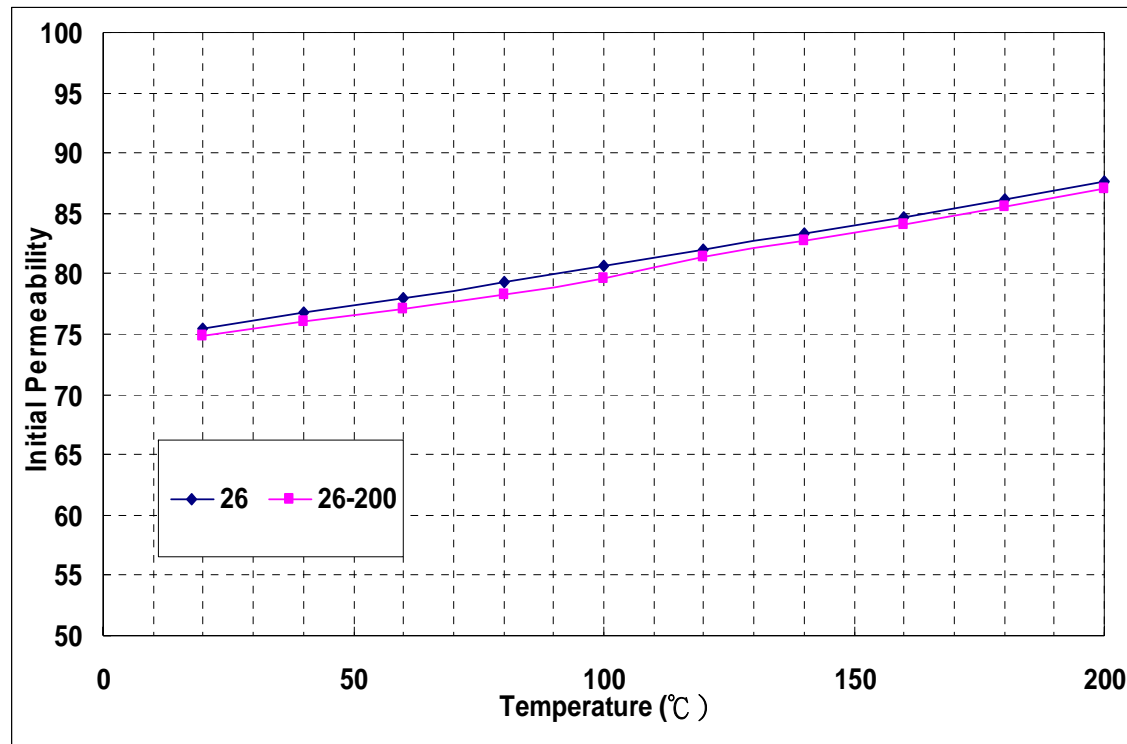
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◆ Core Loss



◆ Initial Permeability VS Temperature



Temp(°C) Mix No		20	40	60	80	100	120	140	160	180	200
		26	75.44	76.72	78.01	79.31	80.65	81.98	83.39	84.72	86.18
ui	26-200	74.79	76.01	77.14	78.34	79.68	81.35	82.79	84.15	85.53	87.12
	Difference	-0.9%	-0.9%	-1.1%	-1.2%	-1.2%	-0.8%	-0.7%	-0.7%	-0.8%	-0.6%



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◆ Thermal Aging

