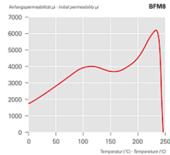
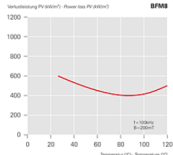
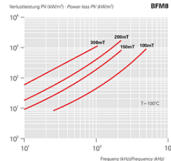


Initial permeability μ_i 

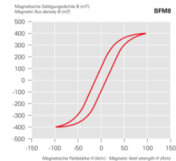
Power loss PV / Temperature



Power loss PV / Frequency



Magnetic flux density B (mT)



Specification ferrite material BFM8

Unsere Leistungsmaterialien BFM8 und BFM9

Our power materials BFM8 and BFM9

Charakteristiken Characteristics	Symbol	Einheit Unit	Testbedingungen Condition	Temperatur Temperature	BFM8	BFM9
Material Basematerial					MnZn	MnZn
Frequenzbereich Frequency range					<500 kHz	<500 kHz
Anfangspermeabilität Initial permeability	μ_i			25°C	2400 ± 25%	2300 ± 25%
Bezogener Verlustfaktor Relative loss factor	$\tan \delta / \mu_i$	$\times 10^{-6}$	10 kHz 100 kHz	25°C	<5	<3,5
Sättigungsflußdichte Saturation flux density	Bs	mT	1194 A/m	25°C 100°C	490 390	510 410
Koerzitivfeldstärke Coercivity	Hc	A/m		25°C	21	21
Verlustleistung Power loss	Pv	KW/m³	25 kHz 200 mT	100°C	60	50
			100 kHz 200 mT	100°C	400	320
			400 kHz 50 mT	100°C		200
Curie Temperatur Curie temperature	Tc	°C			>215	>230
Spezifischer Widerstand Resistivity	p	Ωm			10	8
Verlustleistungsdichte Density	d	kg/m³			4800	4900