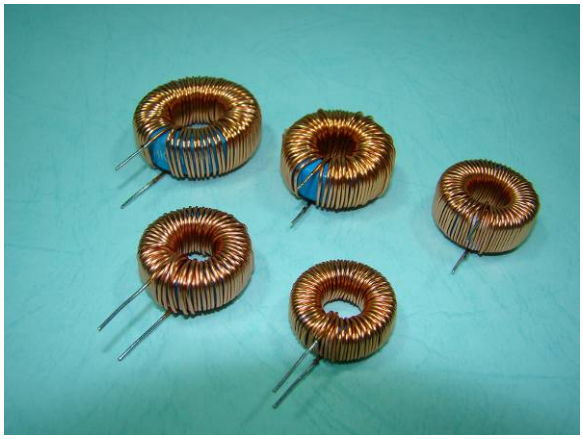
POWER CHOKES



Features:

- Available in vertical or horizontal w/ or w/o base
- In use of metal alloy powder cores
- Without thermal aging problem

Applications:

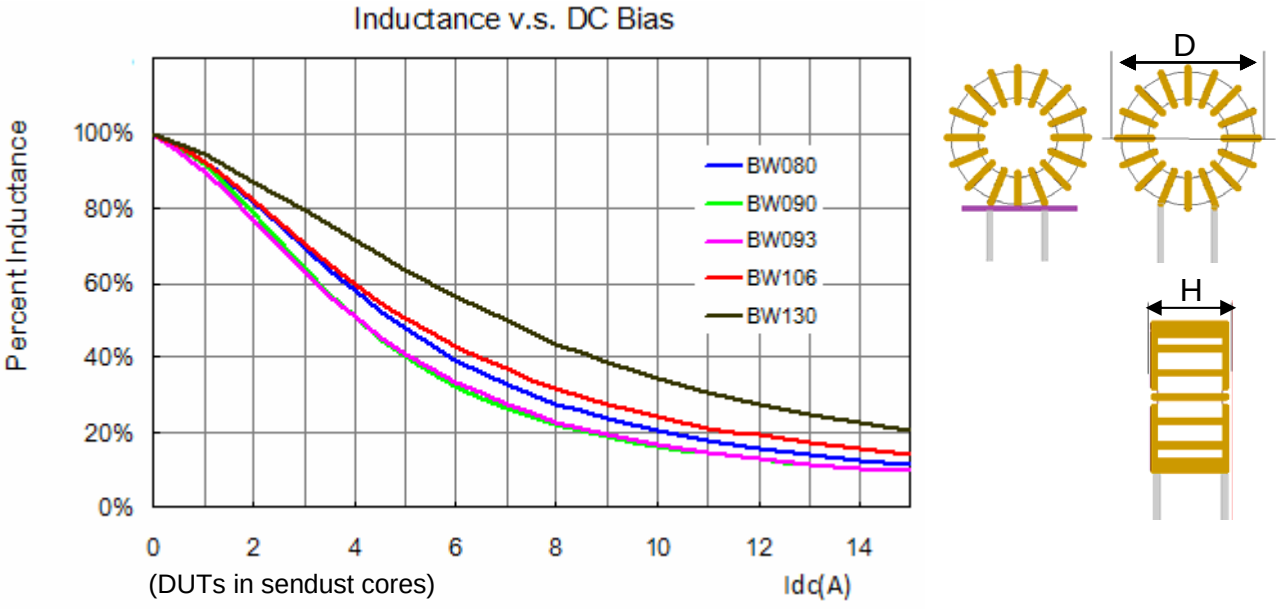
- PFC chokes
- SMPS averaging filter
- Can be used as differential mode inductance in EMC filters

Electrical Specifications @ 25℃ — Operating Temperature -30℃ to 130℃

Part Number	Inductance (μH)	※Rated Current (A)	DCR (mΩ)	Wire size (mm)	Dimension	
					D(mm)	H(mm)
BWLM-TR080	220	2	97	0.7	25	12
BWLM-TR090	380	3	104	0.8	28	16
BWLM-TR093	540	2	158	0.7	28	15
BWLM-TR106	480	4	88	0.9	32	18
BWLM-TR130	420	4	88	0.9	38	17

※On the base of the condition with cooling fan

※※Other specifications not shown in the above list are under request.

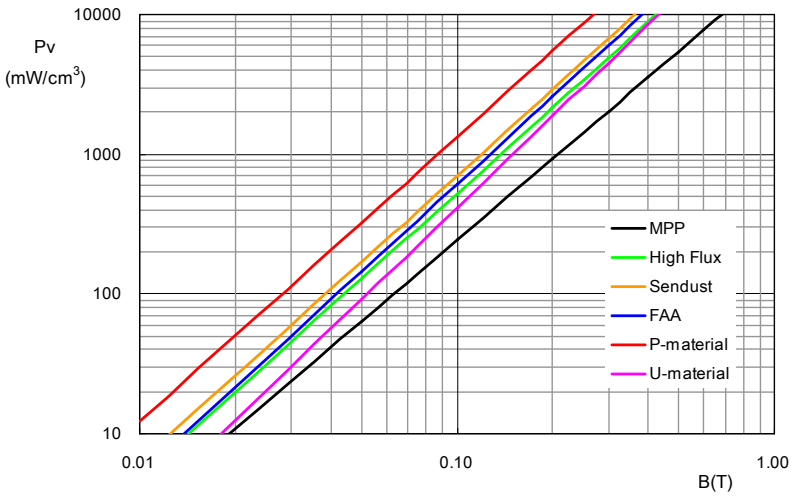


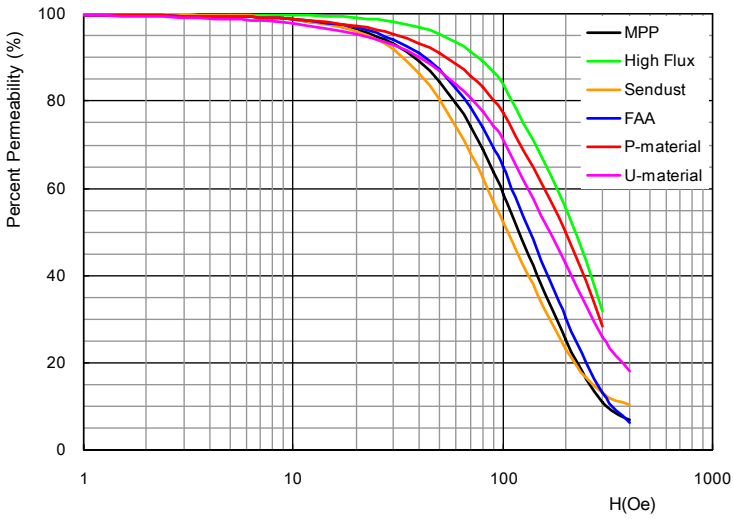
Material types of metal alloy powder cores

Type	Composition	Saturation flux density (Tesla)	Core loss(mW/cm^3) @100kHz/100mT/25℃
MPP	Fe-Mo-Ni	0.7	~250
High Flux	Fe-Ni	1.5	~530
Sendust	Fe-Si-Al	1.0	~750
FAA	Fe-Si-B-Cr amorphous	1.0	~620
P-material	Fe-Si	1.6	~1350
U-material	Fe-Si-Cr	1.4	~410

※Specified by μ=60 grade

Core loss at 100kHz, 25℃



Core size	Core Dimensions(mm)		
	O.D	I.D	Hight
040	10.16	5.08	3.96
050	12.7	7.62	4.75
065	16.51	10.16	6.35
080	20.32	12.7	6.35
090	22.86	13.97	7.62
092	23.57	14.4	8.89
106	26.92	14.73	11.18
130	33.02	19.94	10.67
135	34.29	23.37	8.89
141	35.81	22.35	10.46

DC-bias property at 25℃