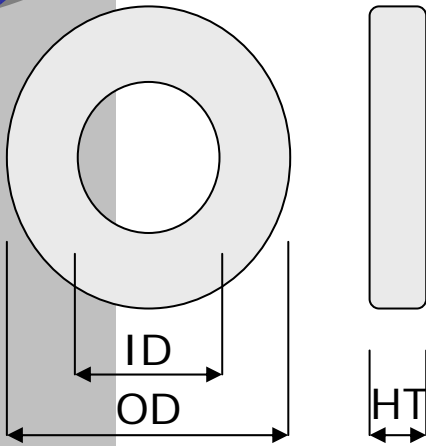


- Ultra Thin MPP Washer Cores

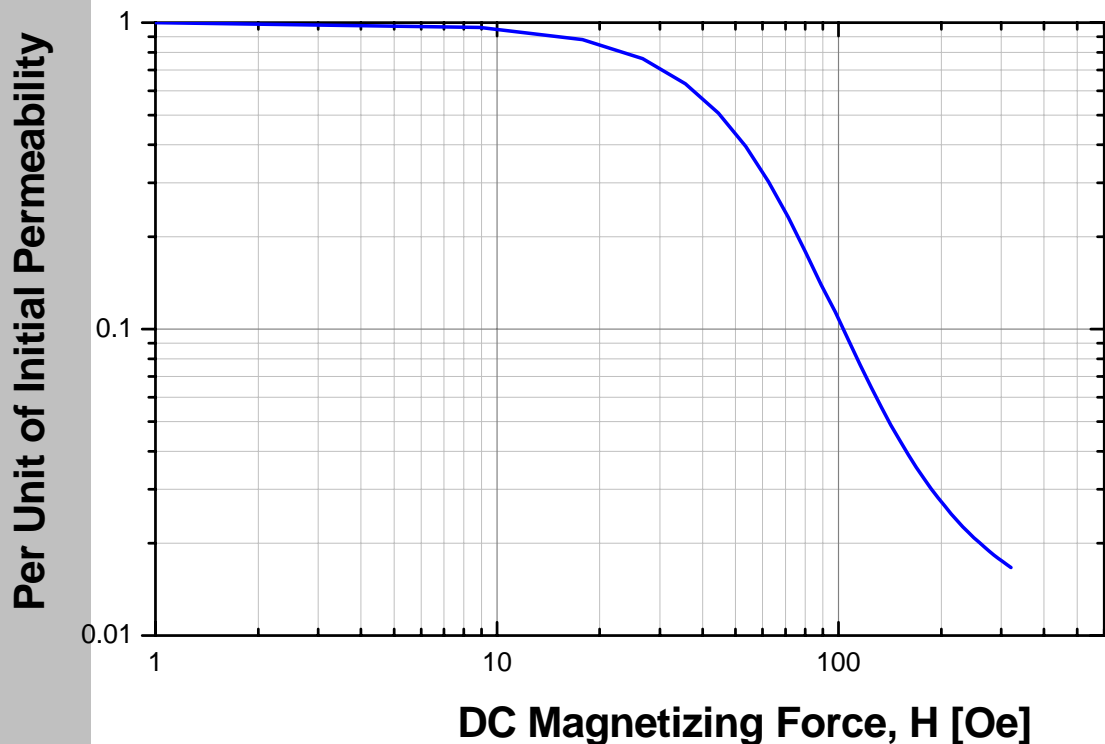
RoHS  
Compliant



CSC's Ultra thin MPP washer cores made from Ni- Fe- Mo alloy powder offer the lowest core losses with extremely low height out of any powder core material. MPP washer cores have significantly higher saturation flux density compared with gapped ferrite. CSC's washer cores, especially smallest one, offer low height power inductor allowing finished inductor heights by 1mm or 1,5mm range. CSC's washer cores allow stable inductance under DC bias, good temperature stability and low core losses.

❖ DC Bias curve ( Material permeability : 160)

**Permeability versus DC bias (Oe)**



## ❖ SPECIFICATION

Part Number	Dimensions (mm) (After Coating)			Nominal Inductance (nH/N <sup>2</sup> )	Path length (cm)	Effective Area (cm <sup>2</sup> )
	OD	ID	HT			
DM2508P	2.66	1.42	0.9	12.2	0.626	0.0041
DM2510P			1.1	15.2		0.0052
DM2512P			1.2	18.3		0.0062
DM3008P	3.15	1.68	0.9	12.4	0.740	0.0050
DM3010P			1.1	15.7		0.0063
DM3012P			1.2	18.9		0.0076
DM3508P	3.66	1.68	0.9	16.9	0.806	0.0074
DM3510P			1.1	21.0		0.0092
DM3512P			1.2	25.2		0.0110
DM3908P	4.04	2.14	0.9	13.7	0.942	0.0070
DM3910P			1.1	17.0		0.0087
DM3912P			1.2	20.6		0.0105
DM4608P	4.75	2.26	0.9	15.7	1.060	0.0090
DM4610P			1.1	19.5		0.0112
DM4612P			1.2	23.5		0.0135
DM6308P	6.45	2.69	0.9	18.0	1.361	0.0133
DM6310P			1.1	22.5		0.0166
DM6312P			1.2	27.0		0.0199
DM6314P			1.5	31.4		0.0232
DM7808P	7.97	3.86	0.9	15.7	1.787	0.0152
DM7810P			1.1	19.6		0.0190
DM7812P			1.2	23.5		0.0228
DM7814P			1.5	27.5		0.0266

- Tolerance : +/- 15%
- Breakdown voltage : 300V min.
- Material permeability : 160