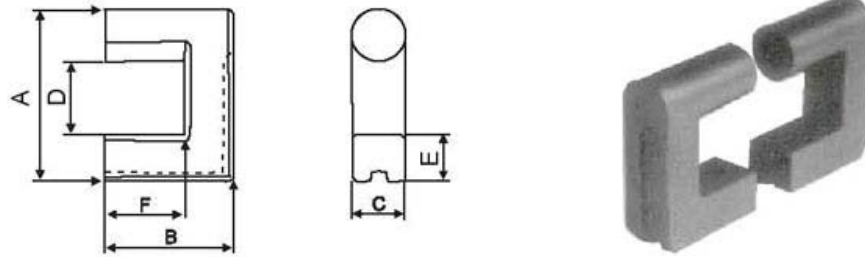


UYF CORES



Introduce UYF cores

UYF core is one of Mn-Zn ferrite core, has round leg, which allows easy winding, also of strip conductors. Because of the high voltages involved, the round shape helps to prevent corona effect. U-type cores are used for power, pulse and high-voltage transformers, and UYF cores are special cores, similarly possess of the same use. UYF core, with the U-Shape core's thickness C (sometimes also including U core height 2 x B) as its distinction, consists of 10~18 series, some gets two round cylinder surfaces, some only gets one. The series of UYF cores are abundance, including UYF16, UYF15, UYF17, UYF18, UYF14, UYF13, UYF12, UYF11.5, UYF10, UYF9.8, UYF9.6, UYF11.5, UYF14.5, UYF14.7, etc. The same type of UYF16, UYF15, UYF17, and others also has different specifications, please find the details in the follow tables.

Features UYF cores:

1. High Saturation Magnetic Flux Density (Bs)
2. Low Core Loss

Application of UYF cores:

1. Transformer for Power Supply
2. Fly Back Transformer for TV set And Monitor
3. FBT and kinds of transformers

Type	Dimensions(mm)					
	A	B	C	D	E	F
UYF9.8	33.0±0.5	22.3±0.3	9.8±0.4	12.0	9.0±0.4	14.5±0.3
UYF10	30.4±0.5	30.0±0.3	10.0±0.3	11.7	8.15±0.3	21.6±0.3
UYF11.5A	33.5±0.6	29.0±0.3	11.5±0.3	12.0	9.5±0.3	19.0±0.3
UYF11.5B	34.5±0.6	29.0±0.3	11.5±0.3	13.0	9.5±0.3	19.0±0.3
UYF11.5C	35.3±0.6	33.0±0.3	11.5±0.3	13.9	9.3±0.3	23.0±0.3
UYF12	37.0±0.6	35.0±0.3	12.0±0.3	15.8	8.4±0.3	25.0±0.3
UYF13A	35.4±0.5	30.5±0.3	13.0±0.3	12.0	9.8±0.3	20.5±0.3
UYF13B	38.0±0.6	33.0±0.3	13.0±0.3	13.8	10.7±0.3	22.0
UYF13C	33.5±0.7	30.5±0.3	13.0±0.3	11.5	8.4±0.3	20.5±0.3
UYF13D	37.2±0.5	31.5±0.3	13.0±0.3	15.0	8.5±0.3	21.5±0.3
UYF14A	42.7±0.7	33.8±0.3	14.0±0.3	16.75	11.5±0.3	22.3±0.3
UYF14B	40.8±0.7	34.3±0.3	14.5±0.3	13.8	12.0±0.3	22.3±0.3
UYF14C	40.0±0.6	35.0±0.3	14.0±0.3	15.0	10.4±0.4	23.9±0.3
UYF14D	39.5±0.5	34.3±0.3	14.0±0.3	14.0	10.4±0.4	23.4±0.2
UYF14E	39.0±0.6	33.5±0.3	14.0 ^{+0.1} _{-0.4}	13.5	10.4±0.4	22.5±0.3
UYF14F	38.5±0.5	34.3±0.3	14.0±0.3	13.8	10.4±0.4	23.4±0.2
UYF14G	38.5±0.5	33.3±0.3	14.0±0.3	13.5	10.5±0.3	22.5±0.3
UYF14.5	43max	34.5±0.3	14.5±0.3	15.8	12.0±0.4	22.5±0.3
UYF14.7	42.0±0.7	34.2±0.3	14.7±0.4	14.5	12.0±0.4	22.5±0.3
UYF15A	42.3±0.5	35.3±0.3	15.0±0.3	15.0	11.8±0.4	23.3±0.3
UYF15B	42.2±0.6	36.7±0.3	15.0±0.3	15.0	11.8±0.4	24.7±0.3
UYF15C	42.0±0.6	37.5±0.3	15.0±0.3	14.2	11.8±0.4	25.5±0.3
UYF15D	42.0±0.5	34.2±0.2	15.0±0.3	14.5	11.8±0.4	22.3±0.2
UYF15E	41.8±0.6	35.9 ^{+0.3} _{-0.1}	15.0±0.3	14.8	11.8±0.4	24.2±0.3
UYF15F	46.0±0.8	27.5±0.3	15.0±0.3	18.4	12.0±0.3	15.5±0.3
UYF16A	48.0±0.5	39.8±0.3	16.0±0.3	18.0	13.2±0.4	26.5±0.3
UYF16B	43.0±0.6	38.9±0.3	16.0 ^{+0.2} _{-0.4}	14.6	11.9±0.4	26.0±0.3
UYF16C	41.9±0.6	37.2±0.3	16.0±0.3	13.8	12.0±0.4	25.2±0.2
UYF17A	46.5±0.8	39.8±0.3	17.0 ^{+0.1} _{-0.4}	16.0	13.2±0.4	26.5
UYF17B	46.0±0.6	38.5±0.3	16.7±0.3	16.0	13.2±0.4	25.5±0.3
UYF17C	46.0±0.5	37.5±0.3	16.5±0.3	15.2	13.2±0.4	24.5±0.3
UYF18A	48.4±0.6	39.8±0.3	18.0±0.3	15.5	14.5±0.4	25.0±0.3
UYF18B	48max	39.0±0.3	17.5±0.3	15.8	13.9±0.4	25.0±0.3
UYF18C	47.7±0.3	39.0±0.3	17.5±0.3	15.8	14.0±0.4	25.5±0.3

Type	Core parameter				weight (g/pr.)
	C1 (mm ⁻¹)	Ae (mm ²)	le (mm)	Ve (mm ³)	
UYF9.8	1.5	74	111.6	8241	44
UYF10	1.85	75.9	136.8	10388.3	52
UYF11.5A	1.3	103.9	131.9	13700	73
UYF11.5B	1.3	103.9	133.9	13700	73
UYF11.5C	1.5	102.9	151.7	15606.5	80
UYF12	1.6	104.6	162.6	17013.7	84
UYF13A	1.1	125.0	139.4	17355.4	89
UYF13B	1.17	132.8	151.4	20109	95
UYF13C	1.2	115.7	135.9	15721.9	78
UYF13D	1.26	117.7	148.1	24635	84
UYF14A	1.05	153.3	160.7	24634.9	115
UYF14B	0.96	163.5	156.5	25587	132
UYF14C	1.14	145.7	162.1	23617.5	120
UYF14D	1.14	144.9	158.8	23005.1	117
UYF14E	1.12	137.2	153	20992	121
UYF14F	1.14	144.9	156.8	22715.9	112
UYF14G	1.04	144.9	151.2	21924.0	116
UYF14.5	0.99	163	161.7	26357	137
UYF14.7	0.975	163	159.0	25917	134
UYF15A	0.95	171	163.1	27890	143
UYF15B	0.98	171	168.5	28813	145
UYF15C	1.0	171	171.3	29292	145
UYF15D	0.93	171	158.2	27052	139
UYF15E	0.97	170	165.2	28084	144
UYF15F	0.82	170	139.1	23647	152
UYF16A	0.76	201	176.1	35396	192
UYF16B	0.91	190	173	32870	160
UYF16C	0.87	189.8	166.0	31506.8	165
UYF17A	0.84	215	182.3	39195	191
UYF17B	0.87	202.9	177.2	35953.9	188
UYF17C	0.87	199.6	173.5	34630.6	185
UYF18A	0.7	255.2	179.8	45872.3	210
UYF18B	0.8	237.6	179.0	42537.0	220
UYF18C	0.8	235.4	179.5	42249.1	206

Al : 1kHz,0.5mA,100Ts

Copyright 2005 YUXIANG Magnetic Materials Ind. Co.,Ltd.All Rights Reserved.
Add: 16F1 Jinyuan building, NO.57, hubin S.Rd., Xiamen, China. 361004
Tel : (86)592 2225286 (86)592 2219816 (86)592 2217138 Fax: (86)592 2207122
Email : yingli@magnets.com.cn yuxiang@sohu.net