1. Inital permeability, μ,



The initial permeability μ_i is the limit value at the initial magnetization curve's origin

Point and is given by the following formula:

$$\mu_i = \frac{1}{\mu_0} \lim_{H \to 0} \frac{B}{H}$$

Where

 μ_{o} :Permeability of vacuum (4 $\pi \times 10^{-7} \, \text{H/m}$)

H: Magnetic field strength (A/m)

B: Magnetic flux density (T)

2. Effective permeability, μ_{e}

This is usually defined as the permeability of a core forming a closed circuit where leakage flux is negligibly small.

$$\mu_e = \frac{L}{\mu_o \cdot N^2} \cdot \frac{L_e}{A_e}$$

Where

L: self-inductance of core with coil (H)

N: number of turns

Le: effective magnetic path length (m)

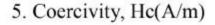
A_e:effective cross-sectional area(m²)

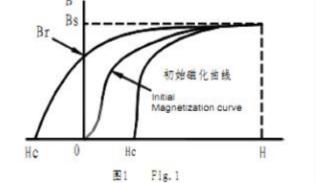
3. Saturation magnetic flux density, Bs(T)

The magnetic flux density at a magnetic field where H is up value .(Fig.1)

Residual magnetic flux density, Br(T)

The value of flux density retained by the core when the magnetic field is reduced from the state of the effective saturation magnetic flux density to zero.(Fig.





The value If magnetic field strength where by the flux density becomes zero under the intensitication, in the opposite direction, of the magnetic field. (Fig. 1)

Loss factor, tanδ

This is the sum of the hysteresis loss factor eddy current loss factor and residual loss factor.

$$\tan \delta = \tan \delta_b + \tan \delta_c + \tan \delta_r$$

 $\tan \delta_{\rm h}$: the hysteresis loss factor

 $an \delta_{arepsilon}$: the eddy current loss factor

 $\tan \delta$,: the residual loss factor



7. Relative loss factor, tanδ/μ

This is the ratio If loss factor to permeability

tanδ/ μ, (for materials)

 $tan\delta/\mu_e$ (for cores with gaps in the magnetic circuit)

8. Quality factor, Q

This is the reciprocal of the loss factor and is give by $Q=1/tan\delta$

9. Temperatue coefficient, α_n (1/K)

This is the fractional difference of permeability per 1K in a temperature range of from T_1 to T_2 .

$$\alpha_{\mu} = \frac{\mu_2 - \mu_1}{\mu_1} \cdot \frac{1}{T_2 - T_1}$$
 (T2>T1)

Where

 $\mu_{\rm i}$: permeability at temperature $T_{\rm i}$

 μ_2 : permeability at temperature T_2

10. Relative temperature coefficient, α_{μ} (1/k)

This is the temperature coefficient per unit permeability and is given by the following equation:

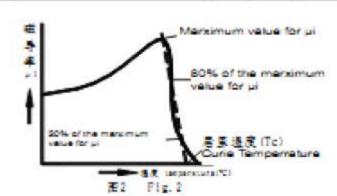
$$\alpha_{\mu} = \frac{\mu_2 - \mu_1}{{\mu_2}^2} \cdot \frac{1}{T_2 - T_1}$$
 (T2>T1)

11. Curie temperature, Tc(°C)

It is the critical temperature level at which the ferromagnetic state of the material changes to paramagnetic state.(Fig.2)

12. Disaccommodation factor,

This is the factor representing the variation of permeability through time after a complete demagnetization



of the core at a constant temperature ture.

$$D_{F} = \frac{\mu_{1} - \mu_{2}}{\log \frac{T_{2}}{T_{1}}} \cdot \frac{1}{\mu_{1}^{2}} \quad (T2>T1)$$



Where

 μ_1 : permeability t_1 minutes after complete demagnetization.

 μ_2 : permeability t_2 minutes after complete demagnetization.

13. Electrical resistivity, ρ (Ω/m)

This is the electrical resistance per unit length and cross-sectional area of magnetic core.

14. Density, d (Kg/m³)

This is the weight per unit volume of a magnetic core as expressed below:

d=W/V

Where

W: weight of magnetic body (Kg)

V: volume of magnetic body (m3)

15. Power Pc (kW/m³, W/kg)

Power loss denotes the loss by an electrical transformer, such as a switching supply, under a magnetization condition featuring a high frequency and large amplitude. Operating magnetic flux density is given by the following equation:

$$B_{m} = \frac{E}{4.44 \text{fNA}_{c}}$$

Where

E: voltage effective value applied to coil (V)

B_m:peak value of magnetic flux density (T)

f: frequency (Hz)

N: number of coil turs

 A_c :effective cross-sectional area (m^2)

16. Inductance factor A₁ (nH/N²)

This is the inductance per turn of the coil wound around the ferrite cores with definite shape and dimension.

$$A_L = L/N^2$$

Where

: inductance of the coil with ferrite core (H)

N: turns the coil

فراز شاپ Material Characteristic Sheet & Figure فرادشانی فروشگاه قطعات الکترونیک

Power Ferrite material Characteristics

特点 Characte		单位 Unit	TY40	TY44	TY95
初始磁导率 Initial pern		25°C H<0.4A/m	2300 ±25%	2400 ±25%	3200 ±25%
饱和磁通密度Bs Saturation magnetic flux density (H=1194A/m)		25℃ mT	510	510	510
		100℃ mT	390	390	390
刺磁Br Remanence		25℃ mT	100	110	50
		100℃ mT	55	60	55
矫顽力Hc		25°C A/m	14	13	8
Coerd	ivity	100°C A/m	9	6.5	9
	200mT	25℃ kW/m³	650	600	450
功率损耗 Pcv		60℃ kW/m³	1	1	350
Core Loss		100℃ kW/m³	410	300	380
		120°C kW/m ³	500	400	430
电阻率 p Electrical resistivity		Ω·m	6.5	6,5	
居里温 Curie tem		℃	≥220	≥215	≥220
密度 Dens		kg/m³ 4	.8×10 ³	4.8×10 ³	4.8×10 ³

注:各表格的列无公差和范围要求的值均为曲型值,不包括客户的特殊要求;有特殊要求时,应在订货合同或抽议中给予明确。 Remark The value of material's characteristics — which have no other requirement on the tolerance,are typical value. Please contact our company for more characteristics in your order or agreement.

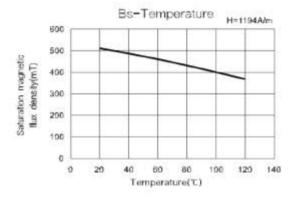
فراز شاپ فراز شاپ استان Material Characteristic Sheet & Figures فروشگاه قطعات الکترونیک



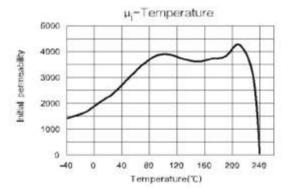
材料/Material: TY40

特点/Features:

- 1.主要应用于中频段(小于200kHz)/Mostly Used at Middle Frequency (Less than 200kHz)
- 2. 低磁芯损耗,高饱和磁感应强度/Low Core Loss and High Saturation Flux Density
- 3. 揭耗最低的温度点约在90°C/The Temperature Point of the Lowest Core Loss is 90°C



μ_{i}	25℃	2300±25%
Bs(mT)	25°C	510
1194A/m	100°C	390
Br(mT)	25℃	100
(2) 13	100°C	55
Hc(A/m)	25°C	14
355 09	100°C	9
Pcv(kW/m3)	25℃	650
100kHz 200mT	100°C	410
	120°C	500
Tc(°C)		≥220
ρ(Ω·m)		6.5
d(kg/m³)		4.8×103
	Bs(mT) 1194A/m Br(mT) Hc(A/m) Pcv(kW/m³) 100kHz 200mT Tc(°C) ρ(Ω·m)	Bs(mT) 25°C 1194A/m 100°C Br(mT) 25°C 100°C Hc(A/m) 25°C 100°C Pcv(kW/m³) 25°C 100kHz 200mT 100°C 120°C Tc(°C) ρ(Ω·m)

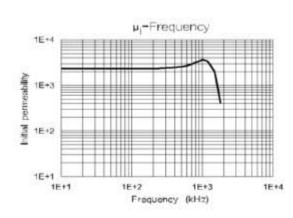


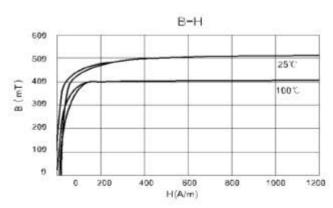
Test core:Toroid(mm)

OD: 25

ID: 15

H: 7.5

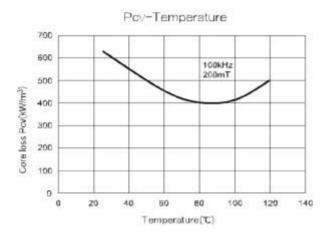


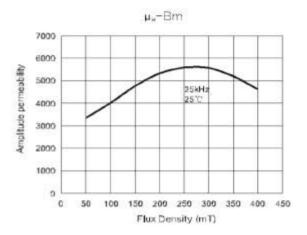


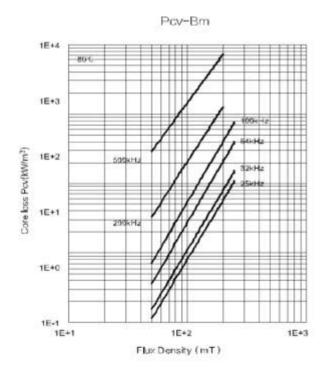
فراز شاب فراز شاب ها Material Characteristic Sheet & Figures

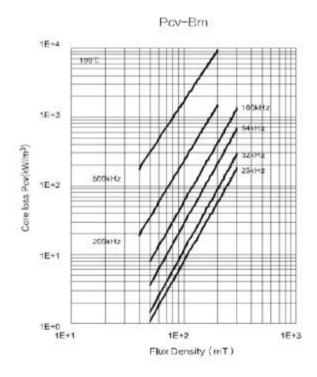


材料/Material: TY40





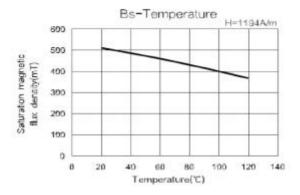




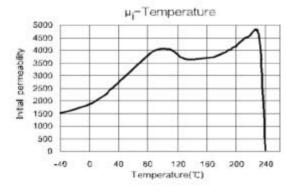
林料/Material: TY44

特点/Features:

- 1. 主要应用于中频段(小于300kHz)/Mostly Used at Middle Frequency (Less than 300kHz)
- 2. 低磁芯损耗,高饱和磁感应强度/Low Core Loss and High Saturation Flux Density
- 3. 损耗最低的温度点约在90°C/The Temperature Point of the Lowest Core Loss is 90°C

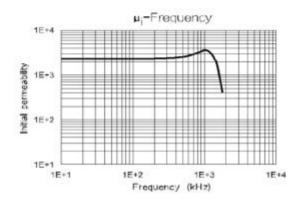


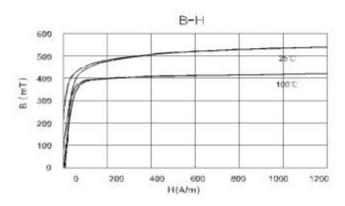
μ_i	25℃	2400±255
Bs(mT)	25°C	510
1194A/m	100℃	390
Br(mT)	25°C	110
(A) (A)	100℃	60
Hc(A/m)	25°C	13
	100℃	6.5
Pcv(kW/m³)	25°C	600
100kHz 200mT	100°C	300
	120℃	400
Tc(°C)		≥215
p(Ω·m)		6.5
d(kg/m³)		4.8×10 ³
	Bs(mT) 1194A/m Br(mT) Hc(A/m) Pcv(kW/m³) 100kHz 200mT Tc(°C) ρ(Ω·m)	Bs(mT) 25°C 1194A/m 100°C Br(mT) 25°C 100°C Hc(A/m) 25°C 100°C Pcv(kW/m³) 25°C 100kHz 200mT 100°C 120°C Tc(°C)



Test core:Toroid(mm)

OD: 25 ID: 15 H: 7.5

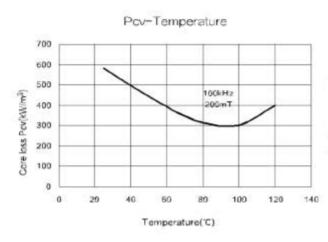


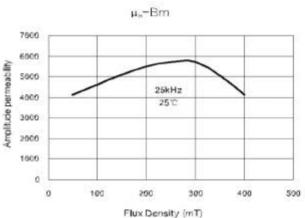


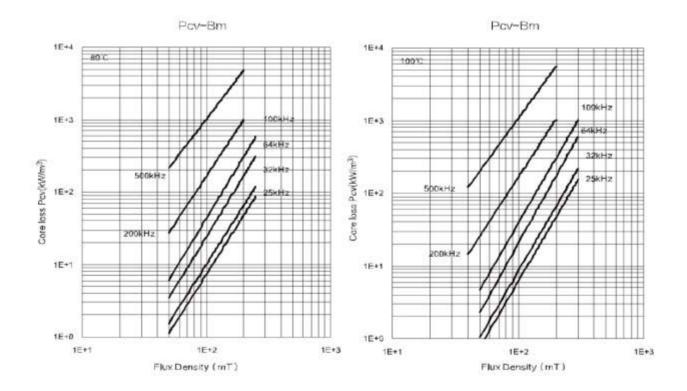
Material Characteristic Sheet & Figures



材料/Material: TY44





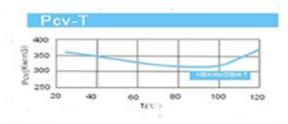


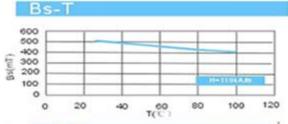


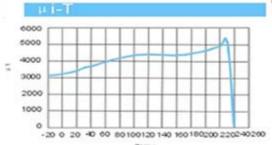
材料/Material: TY95

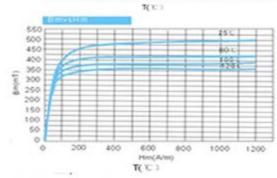
特点/Features:

- 1.高饱和磁感应强度过/High Saturation Flux Density
- 2.较高的初始磁导率/High Initial Permeability
- 3.低磁芯损耗/Low Core Loss









初始磁导率	u.	25°C	3200±25%
饱和磁通密度	Bs(mT) 1194/m	25°C	510 390
樂/磁	Br (nT)	25°C	50 55
矫顽力	Hc(A/m)	25°C	8 9
		25°C	450
** ****	Pov(KW/n ⁵)	60°C	350
功率耗损	100KHz 200aT	80°C	380
		100℃	430
电阻率	ρ (Ω'm)		-
居里温度	Te(℃)		≥220
密度	d(Kg/m²)		4.8×10°

Test core: Toroid (nm)

OD:30 ID:19

H:9



5500

3600

4500

5000

3300

4600

3400

7300

4800

6000

6600

4500

6200

4600



		1	A-A					
型号 Type	A	В	С	Wt(g/prs)	PC40	TY-5K	TY-7K	TY-10K
T6*3*3	6.0±0.3	3.0±0.3	3.0 ± 0.3	0.3	950	2300	3100	4200
T6*4*3	6.3±0.3	3.8±0.3	2.5 ± 0.3	0.3	580	1400	1900	2500
T7*4*4	7.0±0.3	4.0±0.3	4.0±0.3	0.5	1000	2500	3400	4500
T7*4*2	7.0±0.3	4.3±0.3	2.2 ± 0.3	0, 3	490	1200	1600	2100
T8*4*4	8.0±0.3	4.0±0.3	4.0 ± 0.3	0.8	1300	3100	4200	5600
T8*5*3	8.0±0.3	5.0±0.3	3.0 ± 0.3	0.5	650	1600	2100	2800
T9*5*4	9.0±0.3	5.0±0.3	4.0 ± 0.3	0.9	1100	2600	3500	4700
T10*5*19	9.5±0.3	5.1±0.3	19.05 ± 0.4	4.7	5500	13000	17700	23700
T10*5*5	9.53±0.3	4.75 ± 0.3	4.78 ± 0.3	1.2	1500	3700	5000	6700
T10*5*3	10.0±0.3	5.0±0.3	3.0 ± 0.3	0.9	950	2300	3100	4100
T10*5*5	10.0±0.3	5.0±0.3	5.0 ± 0.3	1.4	1600	3800	5200	6900
T10*6*3	10.0±0.3	6.0±0.3	3.0 ± 0.3	0.7	700	1700	2300	3100
T10*6*4	10.0±0.3	6.0 ± 0.3	$3,5\pm0,3$	0.9	820	1900	2700	3700
T10*6*4	10.0±0.3	6.0±0.3	4.0 ± 0.3	1	940	2200	3100	4100
T11*7*3	10,99±0,3	6.83 ± 0.3	2.97 ± 0.3	0.8	650	1500	2100	2800
T11*7*7	11.12±0.3	7.11 \pm 0.3	7.09 ± 0.3	2	1460	3500	4700	6300
T12*6*4	12.0±0.4	6.0±0.4	4.0 ± 0.3	1.7	1280	3000	4100	5500
T13*7*5	12.7 \pm 0.4	7.14 ± 0.4	4.78 ± 0.3	2	1270	3000	4100	5500

12.7 \pm 0.4

12.7 \pm 0.4

12.7 \pm 0.4

12.7 \pm 0.4

 12.85 ± 0.4

13.0 \pm 0.4

 13.21 ± 0.4

T13*7*6

T13*8*5

T13*8*6

T13*8*7

T13*7*4

T13*7*5

T13*7*4

7.14 \pm 0.4

 7.8 ± 0.4

 7.9 ± 0.4

 7.9 ± 0.4

 7.35 ± 0.4

 7.0 ± 0.4

 7.37 ± 0.4

 6.35 ± 0.3

 5.0 ± 0.3

 6.35 ± 0.3

 7.0 ± 0.3

 4.0 ± 0.3

 5.0 ± 0.3

 3.96 ± 0.3

2.7

1.9

2.4

2.6

1.7

2.3

1.8

1700

1100

1400

1500

1000

1400

1000

4000

2700

3300

3600

2400

3400

2500



TY-7K

3300

72003300

5800

7500

9200

3300

16000

27300

3800

7400

4900

3400

4300

6900

4800

6100

4600

39700

4400

8800

4400

6170

7000

3600

TY-10K 4500

9700

4500

7800

10050

12200

4400

21700

36500

5100

9900

6500

4600

5700

9200

6400

8100

6200

52900

5800

11700

5800

8200

9400

4800



4.5

5.7

2.2

8.4

16.6

3.1

6.1

4.2

3.4

3.3

5.3

3.9

5

4.5

19.6

4.7

8.5

4.3

6

6.8

4.1

2300

2800

1000

5000

8400

1100

2300

1500

1000

1300

2100

1400

1900

1400

12100

1300

2700

1300

1890

2200

1100

5500

6700

2400

12000

20000

2800

5400

3600

2500

3100

5000

3500

4500

3400

29100

3200

6400

3200

4520

5200

2700

		Ć,	5-A	6		
型号 Type	Α	В	C	Wt(g/prs)	PC40	TY-5K
T13*9*5	13.3 ± 0.4	8.5±0.4	5.0±0.3	1.8	1000	2400
T14*7*7	14.0±0.4	7.0±0.4	7.0 \pm 0.3	3.9	2200	5300
T14*8*4	14.0±0.4	8.0±0.4	4.0±0.3	2	1000	2400
T14*8*7	14.0±0.4	8.0±0.4	7.0±0.3	3.5	1800	4300
			Committee and the committee of the		7	

 9.0 ± 0.3

 12.0 ± 0.4

 5.0 ± 0.3

13.46 \pm 0.3

 28.6 ± 0.60

 5.0 ± 0.3

 9.45 ± 0.3

7.0 \pm 0.3

 8.0 ± 0.3

 5.0 ± 0.3

 8.0 ± 0.3

 6.3 ± 0.3

 8.0 ± 0.3

 8.05 ± 0.3

 18.95 ± 0.4

 7.0 ± 0.3

 10.0 ± 0.3

 5.0 ± 0.3

 7.0 ± 0.3

 8.0 ± 0.3

 6.0 ± 0.3

 8.0 ± 0.4

 8.4 ± 0.4

 9.0 ± 0.4

 $6.35 \pm$

0.25 $7.25 \pm$

0.25

 9.5 ± 0.4

 $9.55 \pm$

0.2510.0 \pm 0.4

12.0 \pm 0.4

 9.0 ± 0.4

 9.0 ± 0.4

 9.6 ± 0.4

 9.6 ± 0.4

 11.3 ± 0.4

 4.2 ± 0.15

11.5 \pm 0.4

10.0 \pm 0.4

 10.0 ± 0.4

 10.0 ± 0.4

 10.0 ± 0.4

12.0 \pm 0.4

T14*8*9

T14*8*12

T14*9*5

T14*6*14

T14*7*29

T16*10*5

T16*10*9

T16*10*7

T16*12*8

T16*9*5

T16*9*8

T16*10*6

T16*10*8

T17*11*8

T17*4*19

T18*12*7

T18*10*10

T18*10*5

T18*10*7

T18*10*8

T18*12*6

 14.0 ± 0.4

 14.0 ± 0.4

 14.0 ± 0.4

 14.27 ± 0.4

 14.3 ± 0.4

15.8 \pm 0.4

16, 1 ± 0 , 4

16.0 \pm 0.4

16.0 \pm 0.4

16.0 \pm 0.4

16.0 \pm 0.4

 16.0 ± 0.4

16.0 \pm 0.4

 16.64 ± 0.4

17.0 \pm 0.4

17.5 \pm 0.4

18.0 \pm 0.4

18.0 \pm 0.4

 18.0 ± 0.4

18.0 \pm 0.4

 18.0 ± 0.4



TY-7K

6200

10400

8970

7600

6100

11800

11900

4100

4400

5400

6700

5040

8800

5600

7600

8400

9200

9900

11500

3100

3800

4600

6100

4700

30100

TY-10K

8300

13800

11960

10200

8100

15700

15900

5400

5900

7200

9000 7230

11700

8000

10200

11240

12300

13200

15300

4100

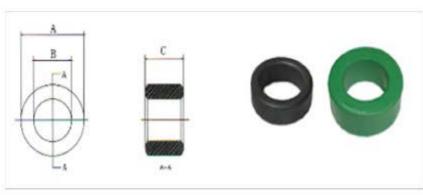
5100

6100

8200

6200

40100



14.6

15.9

6.6

7.1

8.8

11

8.7

14.3

13.5

15.3

16.8

18.3

19.8

22.9

6.1

7.6

9.1

12.2

9.8

55.2

3600

3600

1200

1300

1600

2000

1800

2700

2000

2400

2580

2800

3100

3500

940

1170

1400

1900

1400

9200

8600

8700

3000

3200

4000

4900

3600

6400

4000

5600

6180

6700

7300

8400

2300

2800

3400

4500

3500

22000

	+		Art				
型号 Type	A	В	C	Wt(g/prs)	PC40	TY-5K	-1
T19*13*11	19.0±0.4	13.0±0.4	11.0±0.3	8.1	1900	4600	
T20*10*10	20.0±0.5	10.0±0.5	10.0 \pm 0.3	11. 4	3200	7900	8
T20*11*10	20.0±0.5	11.0±0.5	10.0 \pm 0.3	10.6	2750	6580	
T20*12*10	20.0±0.5	12.0±0.5	10.0 \pm 0.3	9.8	2300	5600	
T20*12*8	20.0±0.5	12, 0 ± 0 , 5	8.0±0.3	7.8	1800	4500	

10.0 \pm 0.3

 11.5 ± 0.4

 6.0 ± 0.3

 6.5 ± 0.3

 8.0 ± 0.3

 10.0 ± 0.3

12.7 \pm 0.3

 13.0 ± 0.3

 8.0 ± 0.3

10.0 \pm 0.3

 11.0 ± 0.3

12.0 \pm 0.3

13.0 \pm 0.3

15.0 \pm 0.3

 4.0 ± 0.3

 5.0 ± 0.3

 6.0 ± 0.3

 8.0 ± 0.3

6.35 \pm 0.3

 28.58 ± 0.6

T22*10*10

T22*11*12

T22*14*6

T22*14*7

T22*14*8

T22*14*10

T22*14*12. 5

T22*14*13

T25*15*8

T25*15*10

T25*15*11

T25*15*12

T25*15*13

T25*15*15

T25*15*4

T25*15*5

T25*15*6

T25*15*8

T25*16*6

T26*13*29

 22.0 ± 0.6

 22.0 ± 0.6

 22.0 ± 0.6

 22.0 ± 0.6

 22.0 ± 0.6

 22.0 ± 0.6

 22.0 ± 0.5

 22.0 ± 0.6

 25.0 ± 0.5

 25.0 ± 0.6

 25.0 ± 0.6

 25.0 ± 0.6

 25.0 ± 0.6

 25.0 ± 0.6

 25.0 ± 0.6

 25.0 ± 0.6

 25.0 ± 0.6

 25.0 ± 0.6

 25.4 ± 0.6

 25.91 ± 0.6

 10.0 ± 0.6

 11.0 ± 0.6

 14.0 ± 0.6

 14.0 ± 0.6

 14.0 ± 0.6

 14.0 ± 0.6

 14.0 ± 0.4

 14.0 ± 0.6

15.0 \pm 0.5

15.0 \pm 0.6

 15.0 ± 0.6

15.0 \pm 0.6

 15.0 ± 0.6

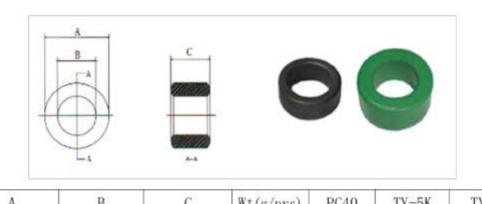
15.0 \pm 0.6

15.5 \pm 0.6

 $12.83 \pm$

0.6





7%	5,000	1 20	93 O H WIT	37-30/6	920000000000000000000000000000000000000	0.89 3300	90.950 CC99)
A	В	C	Wt(g/prs)	PC40	TY-5K	TY-7K	TY-10K
26.0±0.6	14.5±0.6	15.0±0.3	23. 7	4000	9600	13100	17500
27.0 ± 0.6	11.0±0.6	8.0±0.3	18. 5	3300	7900	10800	14300
28.0±0.6	14.0±0.6	14.0±0.3	31.4	4500	10600	14500	19400
28.0±0.6	16.0±0.6	13.0±0.3	26. 2	3400	8000	10900	14500
28.4 ± 0.6	13.6±0.6	12.5±0.3	29. 6	4200	9900	13500	18000
29.0±0.6	19.0±0.6	13.8±0.3	25. 2	2700	6400	8700	11700
29.0±0.6	19.0±0.6	15.2±0.3	27. 8	3000	7100	9600	12800
31.0 ± 0.6	18.0±0.4	8.0±0.2	20	2170	4340	6076	8680
31.0±0.6	19.0±0.6	12.5±0.3	28, 6	2800	6700	9200	12200
31.0 ± 0.6	19.0±0.6	13.0±0.3	29. 7	2900	7000	9600	12700
31.0 ± 0.6	19.0±0.6	15.0±0.3	34. 3	3400	8100	11000	14600
31.0±0.6	20.0±0.6	15.0±0.3	32. 1	3000	7200	9800	13100
35.0±0.6	21.0±0.5	6.5±0.3	19. 2	1600	3300	4600	6600
36.0 ± 0.7	23.0±0.6	6,5±0,3	19	1460	2920	4090	5840
36.0±0.6	23.0±0.6	13.0±0.3	38	2700	6400	8700	11600
36.0±0.6	23.0±0.6	15.0±0.3	43. 8	3100	7400	10100	13400
37.0 ± 0.7	22.0±0.7	15.0±0.3	50. 6	3600	8600	11700	15600
38.0 ± 0.7	19.0±0.7	13.0±0.3	56. 6	4100	9900	13500	18000
38.0 ± 0.7	22.0±0.7	15.0±0.3	54. 9	3800	9000	12300	16400
38.0 ± 0.8	19.0±0.5	22±0.6	89	7600	15200	21800	30400
38.0 \pm 0.8	19.0±0.5	25.4±0.6	104	8700	17540	24560	35100
38.1 \pm 0.7	25.4±0.7	15.0±0.3	46. 8	2900	6900	9400	12600
40.0±1.0	24.0±0.7	16.0±0.5	61	4080	8160	11200	16300
40 ± 0.76	5.4±0.25	1.0±0.1	6	920	2200	3000	4000
42.0 \pm 0.7	26.0±0.7	17.75 \pm 0.5	73. 6	3900	9300	12800	17000
	27.0 ± 0.6 28.0 ± 0.6 28.0 ± 0.6 28.4 ± 0.6 29.0 ± 0.6 29.0 ± 0.6 31.0 ± 0.6 31.0 ± 0.6 31.0 ± 0.6 31.0 ± 0.6 31.0 ± 0.6 31.0 ± 0.6 36.0 ± 0.6 36.0 ± 0.7 36.0 ± 0.6 37.0 ± 0.7 38.0 ± 0.7 38.0 ± 0.7 38.0 ± 0.7 38.0 ± 0.7 38.0 ± 0.7 38.0 ± 0.7	26.0 ± 0.6 14.5 ± 0.6 27.0 ± 0.6 11.0 ± 0.6 28.0 ± 0.6 14.0 ± 0.6 28.0 ± 0.6 16.0 ± 0.6 28.4 ± 0.6 13.6 ± 0.6 29.0 ± 0.6 19.0 ± 0.6 29.0 ± 0.6 19.0 ± 0.6 31.0 ± 0.6 19.0 ± 0.6 36.0 ± 0.6 21.0 ± 0.5 36.0 ± 0.6 23.0 ± 0.6 36.0 ± 0.6 23.0 ± 0.6 37.0 ± 0.7 22.0 ± 0.7 38.0 ± 0.7 19.0 ± 0.7 38.0 ± 0.8 19.0 ± 0.5 38.0 ± 0.8 19.0 ± 0.5 38.1 ± 0.7 25.4 ± 0.7 40.0 ± 1.0 24.0 ± 0.7 40.0 ± 1.0 24.0 ± 0.7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$





型号 Type	A	В	С	Wt(g/prs)	PC40	TY-5K	TY-7K	TY-10K
T45*25*8	45.0±1.2	25.0±0.7	8.0±0.3	42	2160	2600	6050	8640
T47*27*15	47.0±0.7	27.0±0.7	15.0±0.3	84. 6	3800	9100	12500	16600
T48*30*8	48.0±1.2	30.0±0.6	8.0±0.4	42	1870	3740	5230	7480
T48*30*15	48.0±1.2	30.0 ± 0.6	15.0±0.4	80	3500	7000	9870	14100
T49*34*16	49.1±0.7	33.8±0.7	15.9±0.35	76. 8	2700	6500	8900	11900
T50*25*20	50.0±0.8	25.0±0.8	20,0±0,5	143	6400	15200	20800	27700
T50*27*18	50.0±1.2	27.0±0.6	18.0±0.4	120	5500	11000	15000	22000
T50*30*20	50.0±0.8	30.0 ± 0.8	20.0±0.5	121.9	4700	11200	15300	20400
T50*35*20	50.0±0.8	35.0±0.8	20.0±0.5	97.1	3300	7800	10700	14200
T56*32*18	56.0±1.6	32.0±0.8	18.0±0.6	143	5040	11000	14100	20100
T58. 5*40*18	58.5±1.6	40.0±0.8	18.0±0.6	123	3400	6800	9000	13000
T60*30*20	60.0±1.8	30.0 \pm 1.0	20.0±0.8	206	6930	13860	19400	27730
T60*36*20	60.0±1.8	36.0 \pm 1.0	20.0±0.8	174	5600	11200	14300	22400
T63*38*20	63.0±2.0	38.0 \pm 1.0	20.0±0.6	240	5040	10080	14100	20160
T63*38*25	63.0±2.0	38.0 \pm 1.0	25.0±0.6	300	6300	12640	17690	25300
T68*44*20	68.0±1.5	44.0±1.0	20.0±0.4	205	4350	8700	12200	17400
T74*39*13	73.65 ± 1	38.85 \pm 0.7	12.7 \pm 0.35	159. 5	3400	8100		
T80*50*20	80.0±2.5	50.0 \pm 1.5	20.0±0.8	293	4700	9400	13200	18800
T90*60*30	90.0 \pm 1.5	60.0 \pm 1.5	30.0 \pm 1.5	339	6000	12000	17000	24000
T100*55*20	100.0 \pm 3.0	55.0 \pm 1.5	20.0 ± 0.4	525	5970	11940	16716	23900
T124*60*20	124.0±4.0	60.0 \pm 2.5	20.0±1.5	890	7260	14520	20320	26430
T124*60*40	124.0±4.0	60.0 \pm 2.5	40.0±1.5	1780	14520	20940	40660	41880
T152*68*20	152.0±4.0	68.0±2.5	19.0±1.5	1394	8000	16000	22000	32000
T152*104*19	152.0±4.0	104.0±2.5	19.0±1.5	880	3600	7000	10000	14000
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