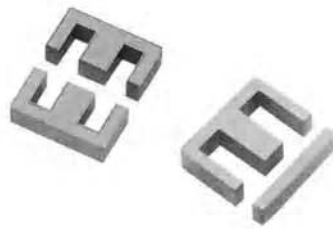
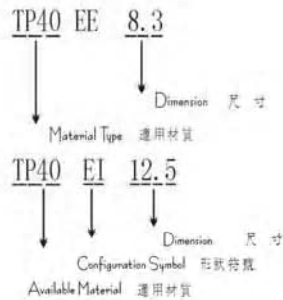


# EE EF EI Cores 磁芯

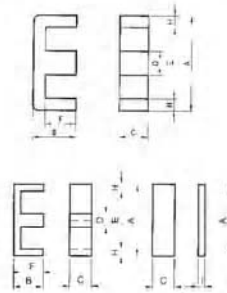
# Mn-Zn Products



### Ordering Code System 產品識別碼



### SHAPE 形狀



### Symbols Definitions 符號定義

- Effective Parameter 有效參數**
- $l_e$ (mm) Effective path length (有效磁路長)
  - $A_e$ (mm<sup>2</sup>) Effective cross-sectional area (有效截面積)
  - $V_e$ (mm<sup>3</sup>) Effective core volume (有效體積)
  - $C_1$ (mm<sup>2</sup>) Core constant (常數)
  - $AL$ (nH) Inductance factor ( $LN^2$ ) (電感單位)

### EE EF & EI Cores

These ferrite cores can be used for a wide range of applications from various transformers for communication equipment to transformers and choke coils for switching power supplies.

#### FEATURES

- Insure low loss, high flux density and high permeability, permit the design of transformers which have low heat generation and high performance.
- Since various pin equipped bobbins are available, terminal handing is excellent.
- Wide range of ferrite materials allows selection of cores to cover from voice frequency to RF frequency.

#### APPLICATIONS

- Transformers and choke coils for switching power supplies, transformers and choke coils for communications equipment, strobe and pulse transformers.

### E&I形鐵芯

此類鐵芯廣泛用於各種通訊設備用變壓器及匹配電源供應器用之抗流線圈。

#### 特長:

- 確保低損耗、高磁束密度、高導磁率，適用於設計具有高性能，使用低損失發電機之變壓器。
- 即使可使用於Pin式Bobbin中，但用雙腳式(蝴蝶腳)之Bobbin更合適。
- 多種鐵氧體材料供選擇，用於多種頻率範圍。

#### 用途:

- 匹配電源供應器用之變壓器、抗流線圈、濾波線圈；通訊設備用之變壓器，抗流線圈；脈沖式變壓器；脈動變壓器。

For any EE, EF & EI cores requirement not listed in the catalog, please feel free to contact with us for more information.



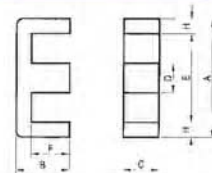
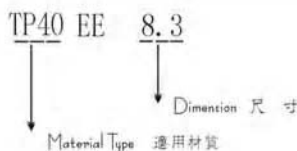
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# EE Cores 長方形E形磁芯

# Mn-Zn Products



Ordering code	Dimensions								Effective Parameter				Electrical characteristics							Wt(g) (SET)				
	A	B	C	D	E	F	H	I	TYPE	Ct	Ae	le	Ve	TP40	T2	T3	T4	T5	T6		T7	T10	(AL-Value)	
EE5	5.25 ±0.1	2.65 ±0.1	2.00 ±0.15	1.35 ±0.15	3.85MIN	2.00 ±0.15			=0.7															0.2
EE8.3	8.30 ±0.2	4.00 ±0.1	3.60 ±0.2	1.85 ±0.2	6.00MIN	3.00 ±0.15			=1.0															0.8
EE10	10.20 ±0.2	5.50 ±0.1	4.90 ±0.15	2.45 ±0.15	7.70MIN	4.20 ±0.15			=1.1															1.5
EE13	13.00 ±0.2	6.00 ±0.15	6.15 ±0.15	2.75 ±0.15	10MIN	4.60 ±0.1			=1.4															2.0
EE16	16.00 ±0.3	7.40 ±0.1	4.80 ±0.2	4.00 ±0.2	11.7MIN	5.30 ±0.1			=2.0															3.5
EE19	19.3 ±0.4	8.15 ±0.3	5.00 ±0.2	4.65 ±0.15	14.2MIN	5.70 ±0.2			=2.3															5.0
EEL19	20.00 ±0.3	13.7 ±0.25	4.10 ±0.1	4.55 ±0.2	14.3MIN	11.15 ±0.15			=2.6															6.2
EE22	22.00 ±0.3	9.35 ±0.15	5.75 ±0.25	5.75 ±0.25	13MIN	5.35 ±0.15			=4.3															10.15
EE25	25.4 ±0.6	9.70 ±0.2	6.40 ±0.3	6.35 ±0.3	18.5MIN	6.55 ±0.15			=3.18															11.2
EE30X7	30.10 ±0.7	15.0 ±0.2	7.05 ±0.25	6.95 ±0.25	19.9 ±0.4	10.0 ±0.3			=4.95															23
EE30.5	30.48 ±0.6	13.36 ±0.2	9.22 ±0.2	9.22 ±0.5	22.0 ±0.6	9.04 ±0.2			=1.8															23.5



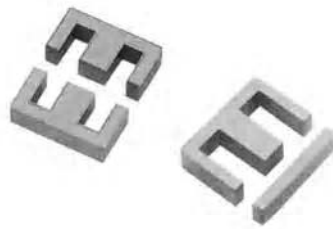
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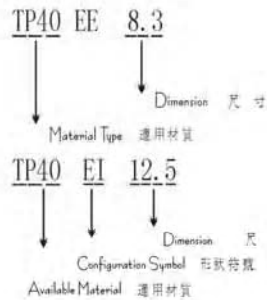
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# EE EF EI Cores 磁芯

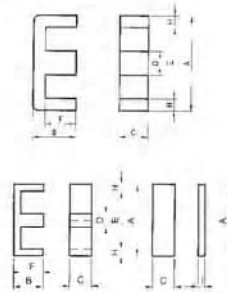
# Mn-Zn Products



### Ordering Code System 產品識別碼



### SHAPE 形狀



### Symbols Definitions 符號定義

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  - $AL$ (nH) Inductance factor ( $LN^2$ ) (電感單位)

### EE EF & EI Cores

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- Insure low loss, high flux density and high permeability, permit the design of transformers which have low heat generation and high performance.
- Since various pin equipped bobbins are available, terminal handing is excellent.
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- 即使可使用於Pin式Bobbin中，但用雙腳式(蝴蝶腳)之Bobbin更合適。
- 多種鐵氧體材料供選擇，用於多種頻率範圍。

#### 用途:

- 匹配電源供應器用之變壓器、抗流線圈、濾波線圈；通訊設備用之變壓器，抗流線圈；脈沖式變壓器；脈動變壓器。

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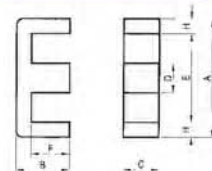
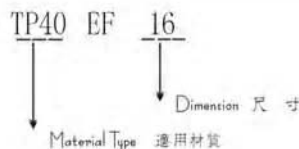
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# EF Coers 長方形E形 & 正方E形磁芯

# Mn-Zn Products



Ordering code	Dimensions								Effective Parameter				Electrical characteristics							Wt(g) (SET)	
	A	B	C	D	E	F	H	UNIT:mm	Ct	Ae	le	Ve	TP40	T2	T3	T5	T6	T7	T10		(AL-Value)
EF12.6	12.7 ±0.4	6.4 ±0.2	3.60 ±0.2	3.65 ±0.2	8.8MIN	4.65 ±0.15	=3.85						±25%	±25%	±25%	±25%	±25%	±25%	±25%	+40%	2.2
EF16	16.1 ±0.6	8.05 ±0.15	4.50 ±0.2	4.55 ±0.15	11.3MIN	5.90 ±0.2	=2.2														4.2
EF20	20.0 ±0.4	9.90 ±0.2	5.65 ±0.25	5.70 ±0.2	14.1MIN	7.20 ±0.2	=2.8														7.7
EF25X7.2	25.05 ±0.75	12.55 ±0.25	7.20 ±0.3	7.25 ±0.25	17.5MIN	8.95 ±0.25	=3.55														16.7
EF25X10.6	25.05 ±0.75	12.55 ±0.25	10.6 ±0.2	7.25 ±0.25	17.5MIN	8.95 ±0.25	=3.55														24.5
EF32	32.1 ±0.8	16.1 ±0.3	9.15 ±0.35	9.20 ±0.3	22.7MIN	11.6 ±0.3	=4.45														33



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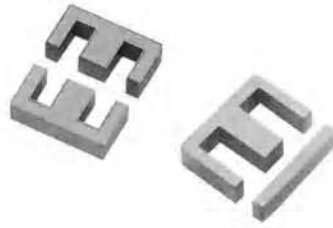
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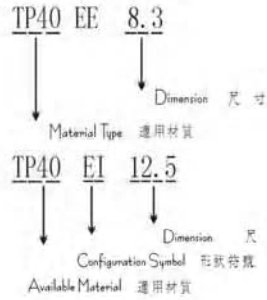


# EE EF EI Cores 磁芯

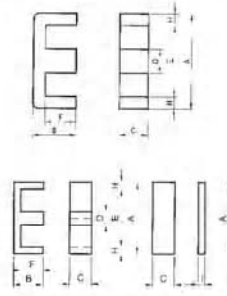
# Mn-Zn Products



### Ordering Code System 產品識別碼



### SHAPE 形狀



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### E&I形鐵芯

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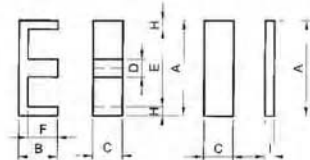
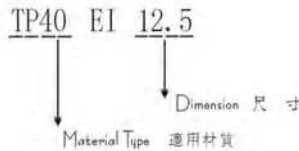
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# EI Cores EI形磁芯

# Mn-Zn Products



Ordering code	Dimensions								Effective Parameter				Electrical characteristics							Wt(g) (SET)		
	A	B	C	D	E	F	H	I	C <sub>t</sub>	A <sub>e</sub>	l <sub>e</sub>	V <sub>e</sub>	TP40	T2	T3	T4	T5	T6	T7		T10	
	UNIT:mm												(AL-Value)									
	TYPE												%									
EI12.5	12.40 ±0.3	7.40 ±0.1	4.85 ±0.15	2.40 ±0.2	8.8MIN	5.1 ±0.1	=1.60	1.5 ±0.1					±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	2.1
EI 16	16.00 ±0.3	12.20 ±0.2	4.80 ±0.2	4.20 ±0.2	11.8MIN	10.2 ±0.2	=2.05	2.0 ±0.2					±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	3.5
EI 19	19.30 ±0.4	13.55 ±0.25	5.1±0 ±0.5	4.75 ±0.25	14.5 ±0.3	11.7 ±0.3	=2.35	2.3 ±0.1					±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	4.8
EI 22	22.00 ±0.4	15.20 ±0.25	5.75 ±0.25	5.75 ±0.25	16.5 ±0.3	11.0 ±0.4	=2.8	4.5 ±0.2					±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	8.3
EI 25	25.40 ±0.5	16.30 ±0.3	6.40 ±0.3	6.35 ±0.3	18.8MIN	13.2 ±0.4	=3.2	2.7 ±0.2					±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	8.8
EI 28	28.00 ±0.5	16.75 ±0.25	10.6 ±0.2	7.20 ±0.30	18.6MIN	12.25 ±0.25	=4.5	3.5 ±0.30					±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	±25%	24



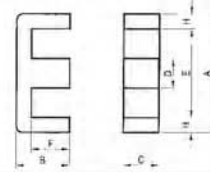
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# EE Cores 長方形E形磁芯

# Mn-Zn Products



Ordering code	Dimensions									Effective Parameter	Electrical characteristics							Wt(g) (SET)					
	A	B	C	D	E	F	H	I	TYPE		TP40	T2	T3	T4	T5	T6	T7		T10				
EE35X9	34.9 ±0.7	14.4 ±0.25	9.15 ±0.25	9.2 ±0.25	25.75 ±0.5	9.80 ±0.25				=4.2								2800					28
EE35X12	34.9 ±0.7	14.4 ±0.25	12.0 ±0.25	9.2 ±0.25	2.75 ±0.5	9.80 ±0.25				=4.2								3500					34
EE42X15	42.15 ±0.85	21.0 ±0.2	14.95 ±0.25	11.95 ±0.25	30.1 ±0.6	15.15 ±0.35				=8.02								4700					87
EE42X20	42.15 ±0.85	21.0 ±0.2	19.7 ±0.3	11.95 ±0.25	29.5MIN	15.15 ±0.35				=6.02								6100					115
EE55X21	55.15 ±1.05	27.5 ±0.3	20.7 ±0.3	16.95 ±0.25	37.5MIN	18.8 ±0.3				=8.53								7100					240



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