

## Application of RD types

- Home Appliance, Automobile

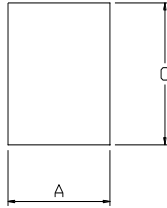
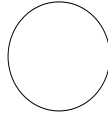


Fig. 1

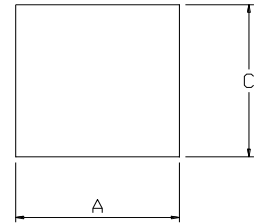


Fig. 2

## Product overview RD type

Model	Dimension(mm)			Fig
	A	B	C	
RD 0610	6.25 ±0.15	10.0 ±0.2	-	1
RD 1019	9.8 +0.1 -0.2	19.2 ±0.3	-	1
RD 1022	9.9 ±0.15	22.25 ±0.2	-	1
RD 1428	14.0 ±0.3	28.0 ±0.6	-	1
RD 1835	18.0 ±0.5	25.0 ±0.4	-	1
RD 2124	20.5 ±0.5	24.1 ±0.4	-	1
RD 2145	20.5 ±0.5	45.0 ±0.4	-	1
RD 3030	30.0 ±0.6	30.0 ±1.0	-	1
RD 3060	30.0 ±0.6	30.0 ±1.0	-	1
RD 6240	62.0 ±1.0	40.0 ±0.4	-	1
RD 4140	41.0 ±0.8	20.5 ±0.4	40.0 ±0.2	2

## Application of RM types

- For compact transformer
- Low distortion broadband transmission  
st low signal modual
- DC-DC converters
- Our product range also low
  - profile RM cores
  - RM4, RM5, RM6, RM8, RM10
  - Low profile

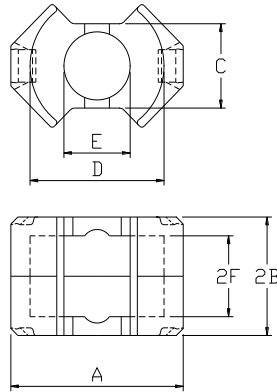


Fig. 1

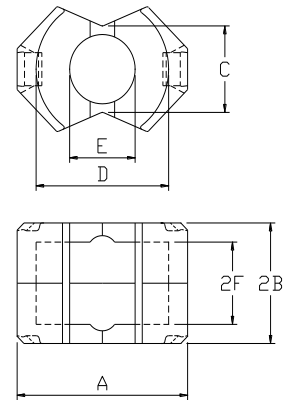


Fig. 2

## Product overview RM type

Model	Dimension(mm)						Parameter				Fig
	A	B	C	D	E	F	$L_e$ (mm)	$A_e$ (mm <sup>2</sup> )	$V_e$ (mm <sup>3</sup> )	C	
RM8	23.2	8.2	11.0	17.0	8.55	5.4	38.0	64.0	2430	2.13	1
	+0	±0.05	-0	+0.6	-0	+0.2					
	-0.9		-0.4	+0	-0.3	+0					
RM10	28.5	9.3	13.5	21.2	10.9	6.2	44.0	98.0	4310	2.80	1
	-0	±0.05	-0	+0.9	-0	+0.30					
	-1.3		-0.5	-0	-0.4						
RM10B	28.5	9.0	13.5	21.2	10.9	5.9	44.0	98.0	4310	2.80	1
	-0	±0.05	-0	+0.9	-0	+0.30					
	-1.3		-0.5	-0	-0.4						

Inductance,AL(nH)

Model	Materials		
	PM7	PM12	FM4
RM8	3130 <sup>3)</sup>		3000 <sup>2)</sup>
RM10	4340 <sup>3)</sup>		4050 <sup>2)</sup>
RM10B		5530 <sup>1)</sup>	

Note:1) 10kHz, 0.1V

2) 1kHz, 0.1V

3) 1kHz, 0.3V

# Planar E core and I core

## Application of Planar types

- SMPS for LED, LCD, PDP Display

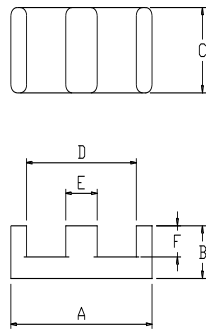


Fig. 1

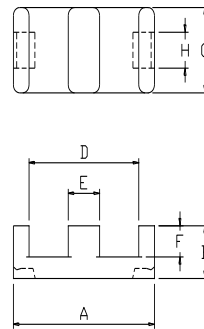


Fig. 2

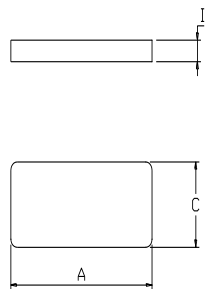


Fig. 1'

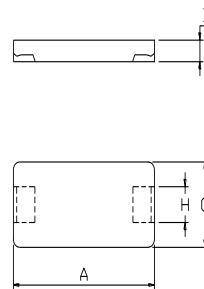


Fig. 2'

## Product overview RM type

Model	Dimension(mm)									Fig
	A	B	C	D	E	F	G	H	I	
PEE 1808	18.0 ±0.35	4.0 ±0.1	10.0 ±0.2	14.0 ±0.3	4.0 ±0.1	2.0 ±0.1	-	-	-	1+1
PEE 1808C	18.0 ±0.35	4.0 ±0.1	10.0 ±0.2	14.0 ±0.3	4.0 ±0.1	2.0 ±0.1	3.3 ±0.15	2.5 +0.2 0	-	2+2
PEE 2211	21.8 ±0.4	5.7 ±0.1	15.8 ±0.3	16.8 ±0.4	5.0 ±0.1	3.2 ±0.1	-	-	-	1+1
PEE 2211C	21.8 ±0.4	5.7 ±0.1	15.8 ±0.3	16.8 ±0.4	5.0 ±0.1	3.2 ±0.1	4.7 ±0.15	2.8 +0.2 0	-	2+2
PEE 6420	63.8 ±0.3	10.2 ±0.13	50.3 ±1.0	53.6 ±1.1	10.2 ±0.2	5.1 ±0.13	-	-	-	1+1
PEI 1405	14.0 ±0.3	3.5 ±0.1	5.0 ±0.1	11.0 ±0.25	3.0 ±0.05	2.1 ±0.1	-	-	1.5 ±0.05	1+1

Model	Dimension(mm)									Fig
	A	B	C	D	E	F	G	H	I	
PEI 1405C	14.0 ±0.35	3.5 ±0.1	5.0 ±0.1	11.0 ±0.25	3.0 ±0.05	2.0 ±0.1	2.8 ±0.15	2.5 +0.2 0	1.8 ±0.05	1+1
PEI 1806	18.0 ±0.35	4.0 ±0.1	10.0 ±0.2	14.0 ±0.3	4.0 ±0.1	2.0 ±0.1	-	-	2.0 ±0.05	1+1
PEI 1806C	18.0 ±0.35	4.0 ±0.1	10.0 ±0.2	14.0 ±0.3	4.0 ±0.1	2.0 ±0.1	3.3 ±0.15	2.5 +0.2 0	2.4 ±0.05	1+1
PEI 2208	21.8 ±0.4	5.7 ±0.1	15.8 ±0.3	16.8 ±0.4	5.0 ±0.1	3.2 ±0.1	-	-	2.5 ±0.05	1+1
PEI 2208C	21.8 ±0.4	5.7 ±0.1	15.8 ±0.3	16.8 ±0.4	5.0 ±0.1	3.2 ±0.1	4.7 ±0.15	2.8 +0.2 0	2.9 ±0.05	2+2
PER 3210	31.8 ±0.4	5.0 ±0.15	22.0 ±0.3	Φ38.0 ±0.4	Φ11.0 ±0.2	2.4 ±0.15	-	-	-	

Effective parameter

Model	Parameter			
	$L_e$ (mm)	$A_e$ (mm <sup>2</sup> )	$V_e$ (mm <sup>3</sup> )	C
PEE 1808	24.3	40.0	970	2.071
PEE 1808C	24.3	40.0	970	2.071
PEE 2211	32.5	79.0	2560	3.060
PEE 2211C	32.5	79.0	2560	3.060
PEE 6420	79.9	519.0	41500	8.170
PEI 1405	16.7	14.5	240	1.090
PEI 1405C	16.9	15.8	270	1.175
PEI 1806	20.3	40.0	810	2.479
PEI 1806C	20.3	40.0	80	2.479
PEI 2208	26.1	80.4	2100	3.780
PEI 2208C	26.1	80.4	2100	3.780
PER 3210	13.1	38.5	505	3.683

## Application of I/IH core types

- Induction heating application
- Cooker

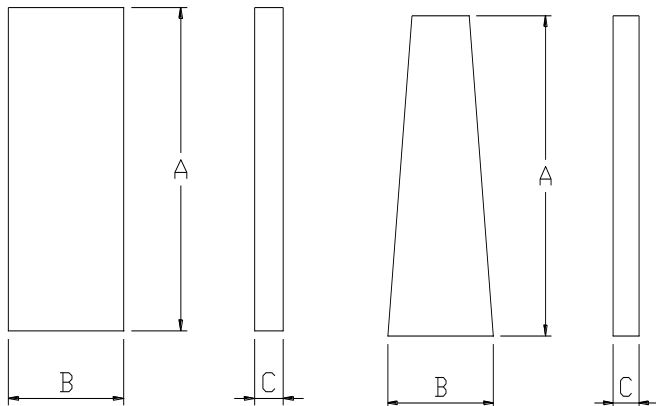


Fig. 1

Fig. 2

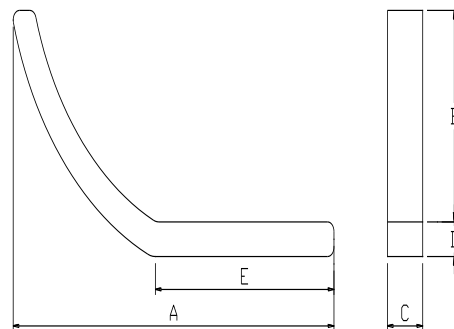


Fig. 3

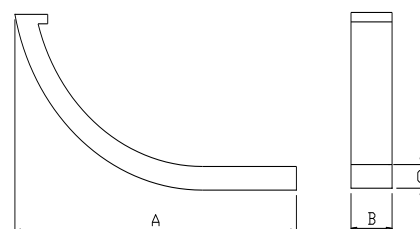


Fig. 4

## Product overview I/IH type

Model	Dimension (mm)					Fig
	A	B	C	D	E	
I 2056	19.8 ±0.3	5.1 ±0.2	6.3 ±0.25	-	-	1
I 3044	30.0 ±0.2	4.0 ±0.2	4.0 ±0.2	-	-	1
I 4324	23.5 ±0.2	4.0 ±0.1	3.0 ±0.1	-	-	1
I 4416	16.0 ±0.2	4.0 ±0.1	4.0 ±0.1	-	-	1
I 4430	30.0 ±0.2	4.0 ±0.2	4.0 ±0.2	-	-	1
I 4430G	30.15 ±0.2	4.0 ±0.3	4.0 ±0.3	-	-	1
I 4430L	30.0 ±0.2	3.9 + 0.05 - 0.15	3.9 + 0.05 - 0.15	-	-	1
I 4430S	30.0 ±0.2	4.0 ±0.2	4.0 ±0.2	-	-	1
I 4905	49.9 ±0.9	10.0 ±0.3	4.6 ±0.3	-	-	1

Model	Dimension (mm)					Fig
	A	B	C	D	E	
I 5807	58.0 ±0.5	21.5 ±0.25	7.0 ±0.3	-	-	1
I 6005	60.0 ±0.9	4.6 ±0.3	10.0 ±0.3	-	-	1
I 6015	60.0 ±1.5	15.0 ±1.0	5.0 ±1.0	-	-	1
I 6020	60.0 ±1.2	40.0 ±0.3	20.5 ±0.4	-	-	1
I 6220	62.0 ±1.2	20.5 ±0.2	20.5 ±0.2	-	-	1
I 6405	64.5 +0 -0.5	10.0 ±0.5	5.0 ±0.5	-	-	1
I 6405B	64.5 +0.5 -1.5	5.0 ±0.15	13.0 ±0.5	-	-	1
I 9015	90.0 ±1.5	15.0 ±1.0	5.0 ±1.0	-	-	1
IH 6015	60.0 ±1.5	15.0 ±1.0	5.0 ±1.0	-	-	1
IH 6904	68.6 ±0.6	24.3 ±0.25	3.5 ±0.25	10.5 ±0.25	-	2
IH 6910	10.0 ±0.2	5.0 ±0.2	31.5 ±1.2	24.0 ±0.3	69.5 ±1.5	2
IH 9015	90.0 ±1.5	15.0 ±1.0	5.0 ±1.0	-	-	4
IH 9112	91.0 ±0.9	12.0 ±0.3	4.8 ±0.3	-	-	3
IH 9410	90.5 ±2.0	40.1 + 1.5 - 3.0	10.0 ±0.2	5.0 ±0.2	53.5 ±0.5	3
IH 9410B	90.5 ±2.0	40.1 + 1.5 - 3.0	9.5 ±0.2	5.0 ±0.2	53.0 ±0.5	3