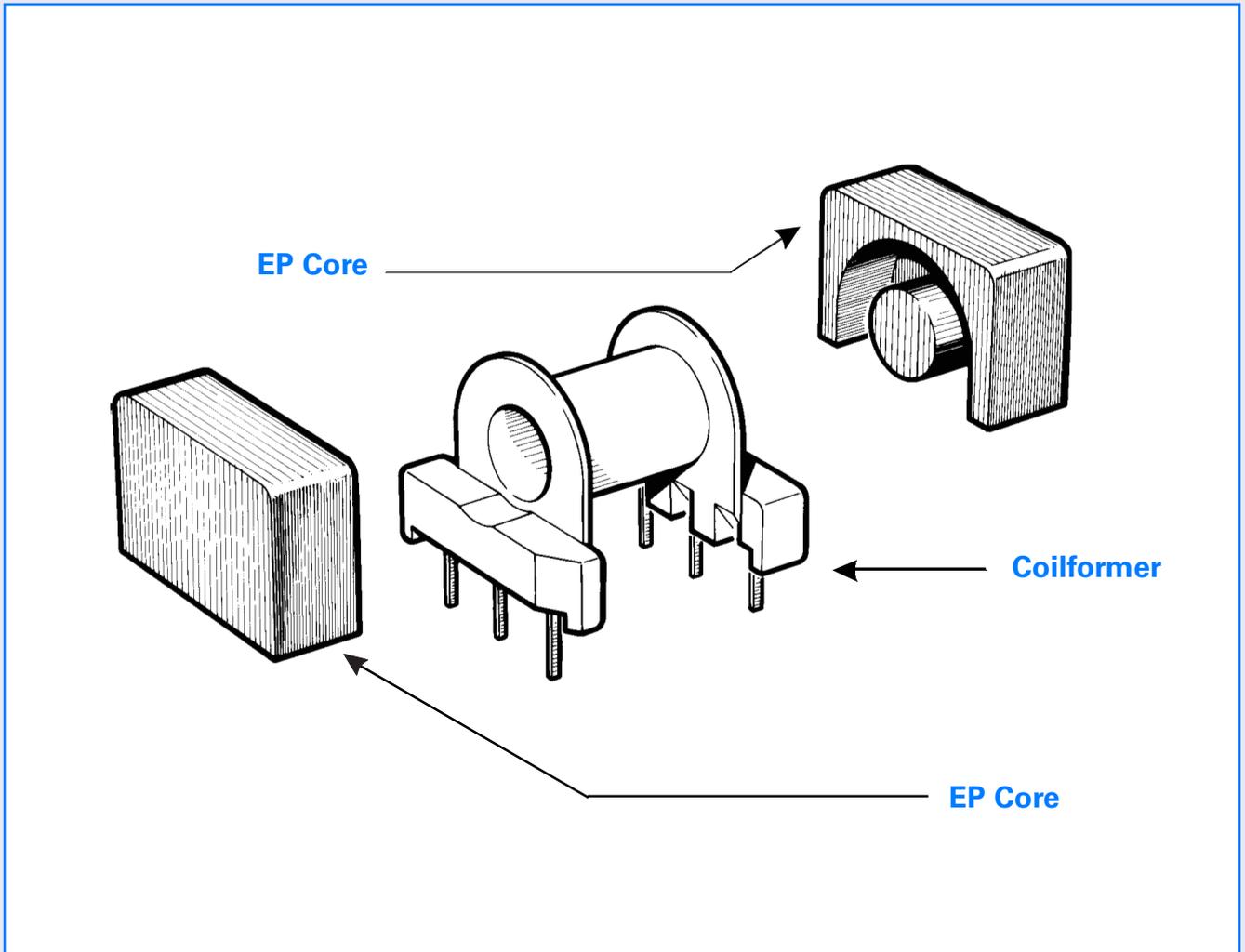


EP Series Components



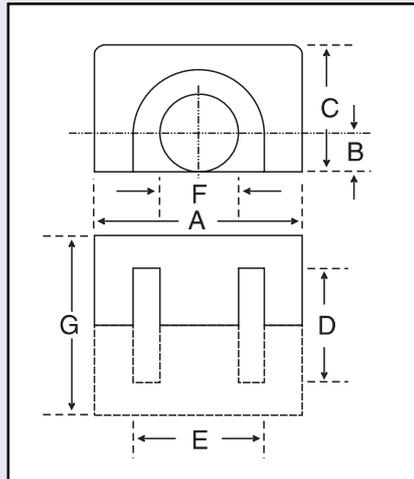
EP Cores

EP Cores have a particularly compact, low profile shape and offer excellent shielding from adjacent cores due to the winding being almost completely surrounded by the ferrite core. This allows for high packing densities on printed circuit boards. Originally designed for broadband, small power transformers and signal transmission applications, EP cores are well suited for the demanding properties required from modern electronic components.

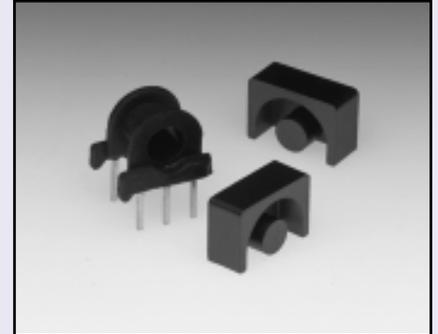
EP Cores are available in a range of sizes and materials together with their associated coilformers.

Core Dimensions (mm)

A	9.00 - 9.40	F	3.20 - 3.40
B	1.60 - 1.80	G	7.30 - 7.50
C	6.20 - 6.50		
D	5.00 - 5.40		
E	7.20 - 7.60		



EP 7 32-810-



Core Parameters

In accordance with IEC Document 60205.

Parameter	Σ/A	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	1.52mm ⁻¹	15.70mm	10.30mm ²	8.50mm ²	162.00mm ³

Electrical Specification

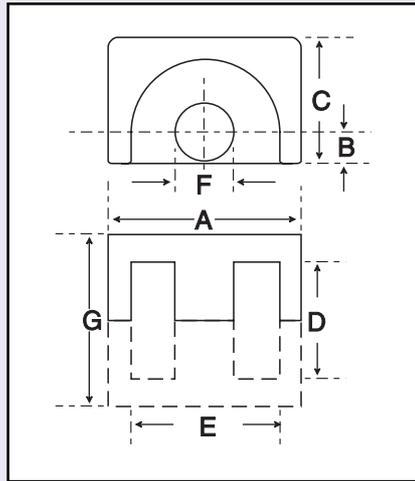
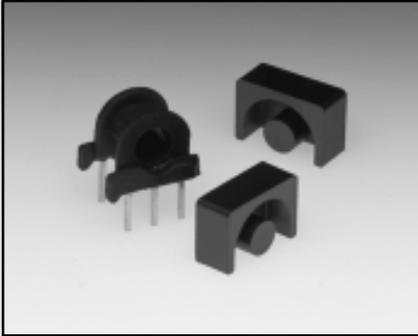
Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F5A	1200	+30/-20%	-	1450	32-810-49
F9	2000	+30/-20%	-	2420	32-810-36
F10	3400	+30/-20%	-	4115	32-810-37
F39	5200	+40/-30%	-	6290	32-810-39

Part numbers refer to half cores. Other material grades and gap lengths may be available on request.

Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	6	59-810-64
Horizontal	2	6	59-811-64

EP 10 32-820-



Core Dimensions (mm)

A	11.20 - 11.80	F	3.15 - 3.45
B	1.75 - 1.95	G	10.20 - 10.40
C	7.45 - 7.85		
D	7.20 - 7.60		
E	9.20 - 9.60		

Core Parameters

In accordance with IEC Document 60205.

Parameter	Σ/A	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	1.70mm ⁻¹	19.20mm	11.30mm ²	8.50mm ²	217.00mm ³

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F5A	1063	+30/-20%	-	1435	32-820-49
F9	2000	+30/-20%	-	2700	32-820-36
F10	3200	+30/-20%	-	4330	32-820-37
F39	4800	+40/-30%	-	6495	32-820-39

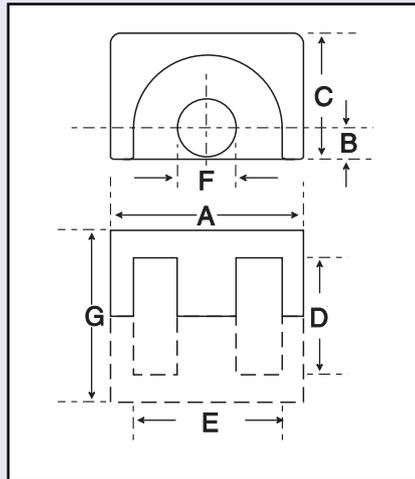
Part numbers refer to half cores. Other material grades and gap lengths may be available on request.

Bobbins/Coil Formers

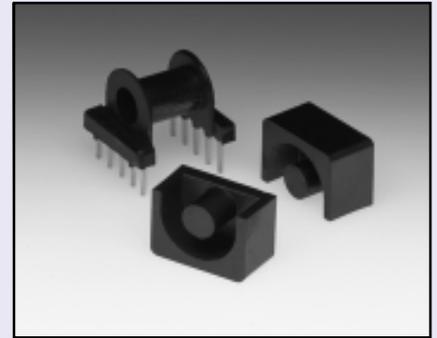
Mounting	No. of Sections	Pins	Part Number
Horizontal	1	8	59-820-64
Horizontal	2	8	59-821-64

Core Dimensions (mm)

A	12.20 - 12.80	F	4.20 - 4.50
B	2.30 - 2.50	G	12.70 - 13.00
C	8.60 - 9.00		
D	9.00 - 9.40		
E	9.70 - 10.30		



EP 13 32-800-



Core Parameters

In accordance with IEC Document 60205.

Parameter	Σ/A	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	1.24mm ⁻¹	24.20mm	19.50mm ²	14.90mm ²	472.00mm ³

Electrical Specification

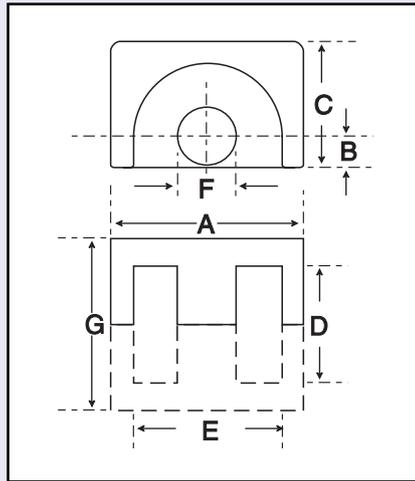
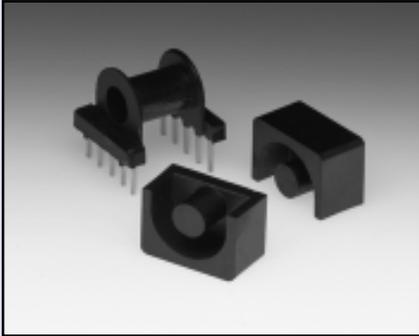
Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F44	1235	+30/-20%	-	1220	32-800-44
F9	2800	+30/-20%	-	2760	32-800-36
F10	4400	+30/-20%	-	4340	32-800-37
F39	7000	+40/-30%	-	6905	32-800-39

Part numbers refer to half cores. Other material grades and gap lengths may be available on request.

Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	10	59-805-64
Horizontal	2	10	59-806-64

EP 17 32-830-



Core Dimensions (mm)

A	17.50 - 18.50	F	5.50 - 5.85
B	3.05 - 3.45	G	16.60 - 17.00
C	10.75 - 11.25		
D	11.20 - 11.80		
E	11.50 - 12.50		

Core Parameters

In accordance with IEC Document 60205.

Parameter	Σ/A	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.84mm ⁻¹	28.50mm	33.90mm ²	25.50mm ²	966.00mm ³

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F44	2130	+30/-20%	-	1425	32-830-44
F9	4310	+30/-20%	-	2880	32-830-36
F10	6875	+30/-20%	-	4595	32-830-37
F39	11400	+40/-30%	-	7620	32-830-39

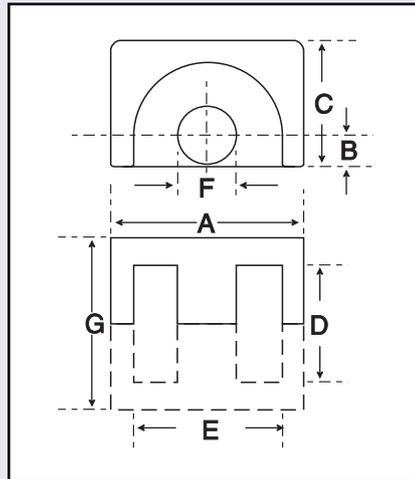
Part numbers refer to half cores. Other material grades and gap lengths may be available on request.

Bobbins/Coil Formers

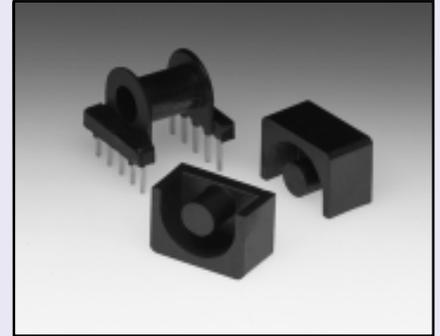
Mounting	No. of Sections	Pins	Part Number
Horizontal	1	8	59-830-64
Horizontal	2	8	59-831-64

Core Dimensions (mm)

A	23.50 - 24.50	F	8.50 - 9.00
B	4.30 - 4.70	G	21.20 - 21.60
C	14.60 - 15.30		
D	14.00 - 14.60		
E	16.10 - 16.90		



EP 20 32-840-



Core Parameters

In accordance with IEC Document 60205.

Parameter	Σ/A	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.51mm ⁻¹	40.00mm	78.00mm ²	60.00mm ²	3120.00mm ³

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F9	6700	+30/-20%	-	2720	32-840-36
F10	11200	+30/-20%	-	4545	32-840-37
F39	18700	+40/-30%	-	7590	32-840-39

Part numbers refer to half cores. Other material grades and gap lengths may be available on request.

Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	10	59-840-64
Horizontal	2	10	59-841-64