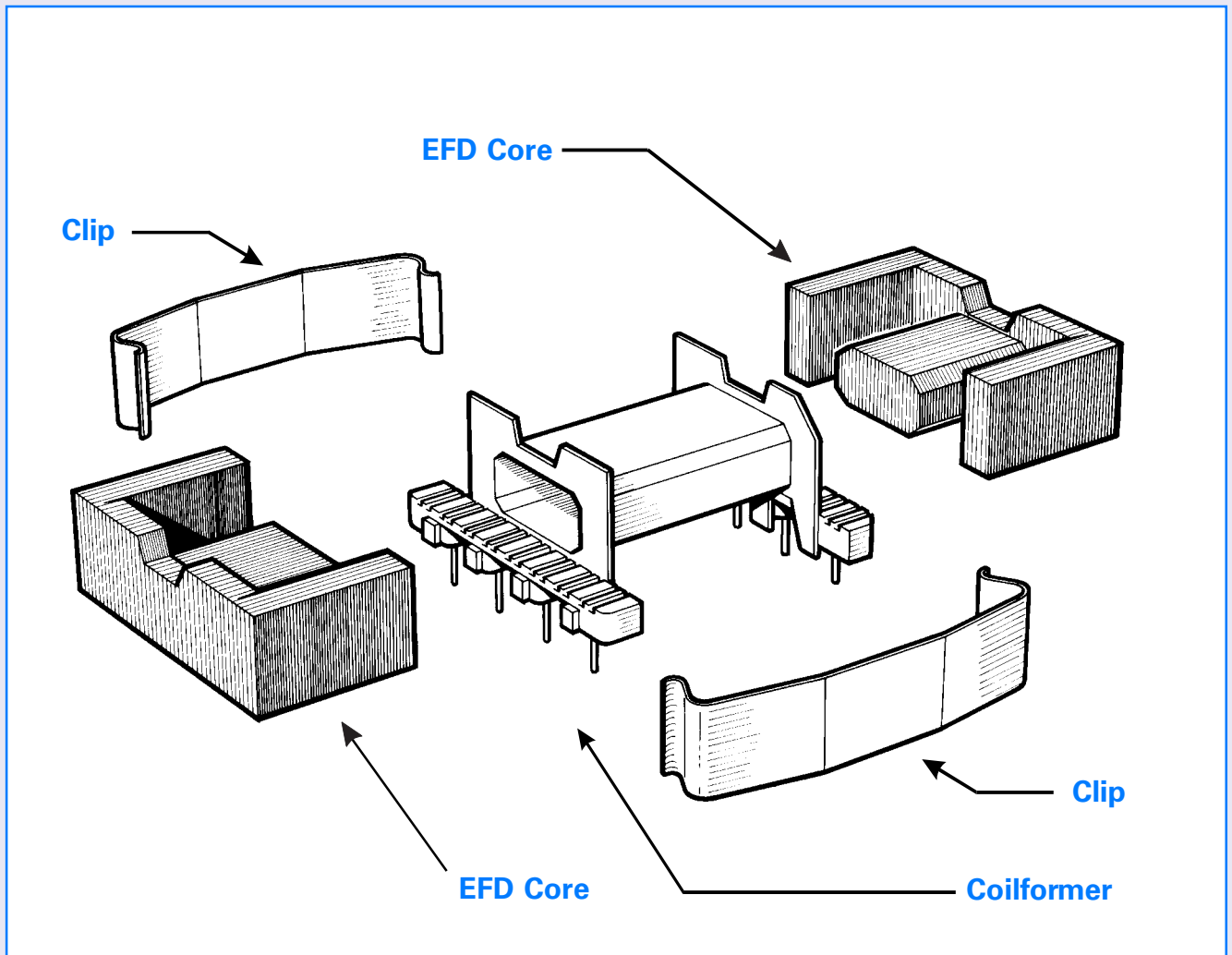


EFD Series Components



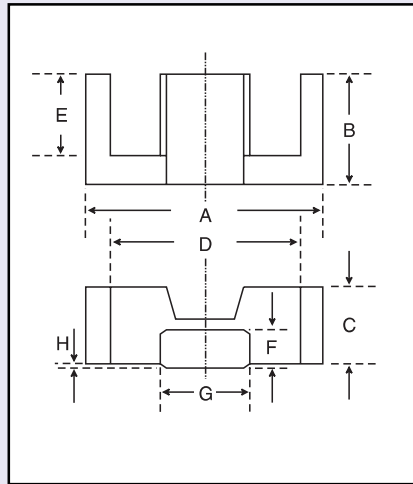
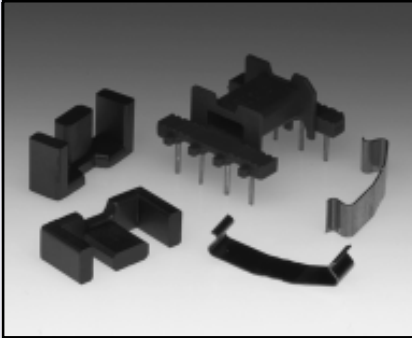
EFD Cores

EFD (**E**conomical **F**lat **D**esign) cores have been developed in recent years to meet the increasing demand for low profile components in power transformer design. A combination of very low height and excellent throughput power, when compared to other cores of a similar height, make these cores ideal where space considerations are a priority.

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

EFD 15

32-720-



Core Dimensions (mm)

A	14.60 - 15.40	F	2.30 - 2.50
B	7.35 - 7.65	G	5.15 - 5.45
C	4.50 - 4.80	H	0.20 Ref
D	10.65 - 11.35		
E	5.25 - 5.75		

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	2.27mm ⁻¹	34.00mm	15.00mm ²	12.20mm ²	510.00mm ³

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F47	650	+30/-20%	-	1175	32-720-47
F44	675	+30/-20%	-	1220	32-720-44
F45	780	+30/-20%	-	1410	32-720-45
F44	164	+15/-15%	0.10 Approx.	295	32-721-44
F47	164	+15/-15%	0.10 Approx.	295	32-721-47
F44	100	+10/-10%	0.17 Approx.	180	32-722-44
F47	100	+10/-10%	0.17 Approx.	180	32-722-47

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

* A_L Value shown is obtained when tested with an ungapped half core of the same grade.

Bobbins/Coil Formers

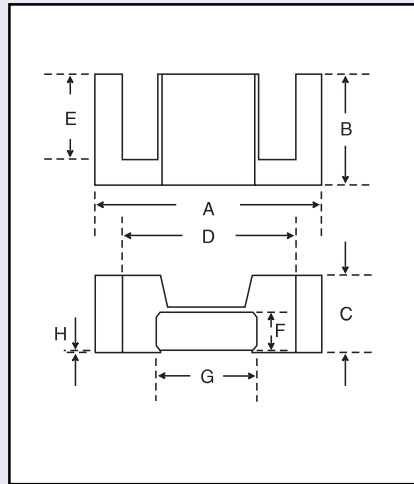
Mounting	No. of Sections	Pins	Part Number
Horizontal	1	8	59-720-76

Clips

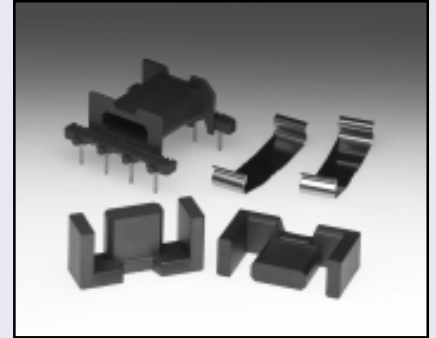
Part Number
76-070-95

Core Dimensions (mm)

A	19.45 - 20.55	F	3.45 - 3.75
B	9.85 - 10.15	G	8.70 - 9.10
C	6.50 - 6.80	H	0.17 Ref
D	14.90 - 15.90		
E	745 - 795		



EFD 20 32-740-



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	4700mm	31.00mm ²	29.00mm ²	1460.00mm ³

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F47	1075	+30/-20%	-	1300	32-740-47
F44	1120	+30/-20%	-	1355	32-740-44
F45	1200	+30/-20%	-	1450	32-740-45
F44	160	+10/-10%	0.20 Approx.	195	32-741-44
F47	160	+10/-10%	0.20 Approx.	195	32-741-47
F44	100	+10/-10%	0.35 Approx.	120	32-742-44
F47	100	+10/-10%	0.35 Approx.	120	32-742-47

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

* A_L Value shown is obtained when tested with an ungapped half core of the same grade.

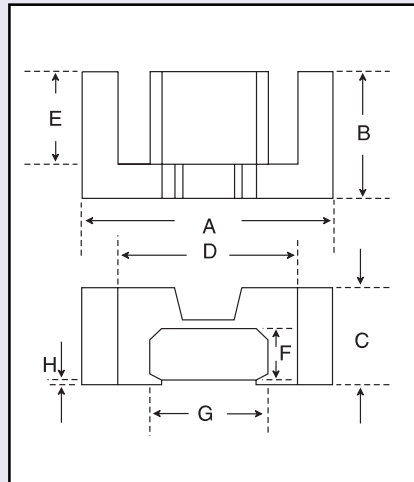
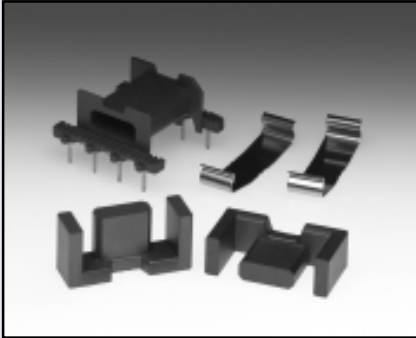
Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	8	59-740-76

Clips

Part Number
76-071-95

EFD 25 32-760-



Core Dimensions (mm)

A	24.45 - 25.65	F	8.90 - 9.30
B	12.35 - 12.65	G	11.20 - 11.60
C	8.90 - 9.30	H	0.60 Ref
D	18.10 - 19.30		
E	9.05 - 9.55		

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	1.00mm ⁻¹	57.00mm	58.00mm ²	57.00mm ²	3300.00mm ³

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F47	1720	+30/-20%	-	1370	32-760-47
F44	1790	+30/-20%	-	1425	32-760-44
F45	2000	+30/-20%	-	1590	32-760-45
F44	315	+10/-10%	0.20 Approx.	250	32-761-44
F47	315	+10/-10%	0.20 Approx.	250	32-761-47
F44	250	+10/-10%	0.30 Approx.	200	32-762-44
F47	250	+10/-10%	0.30 Approx.	200	32-762-47
F44	160	+10/-10%	0.60 Approx.	125	32-763-44
F47	160	+10/-10%	0.60 Approx.	125	32-763-47

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

* A_L Value shown is obtained when tested with an gapped half core of the same grade.

Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	10	59-760-76

Clips

Part Number
76-072-95

