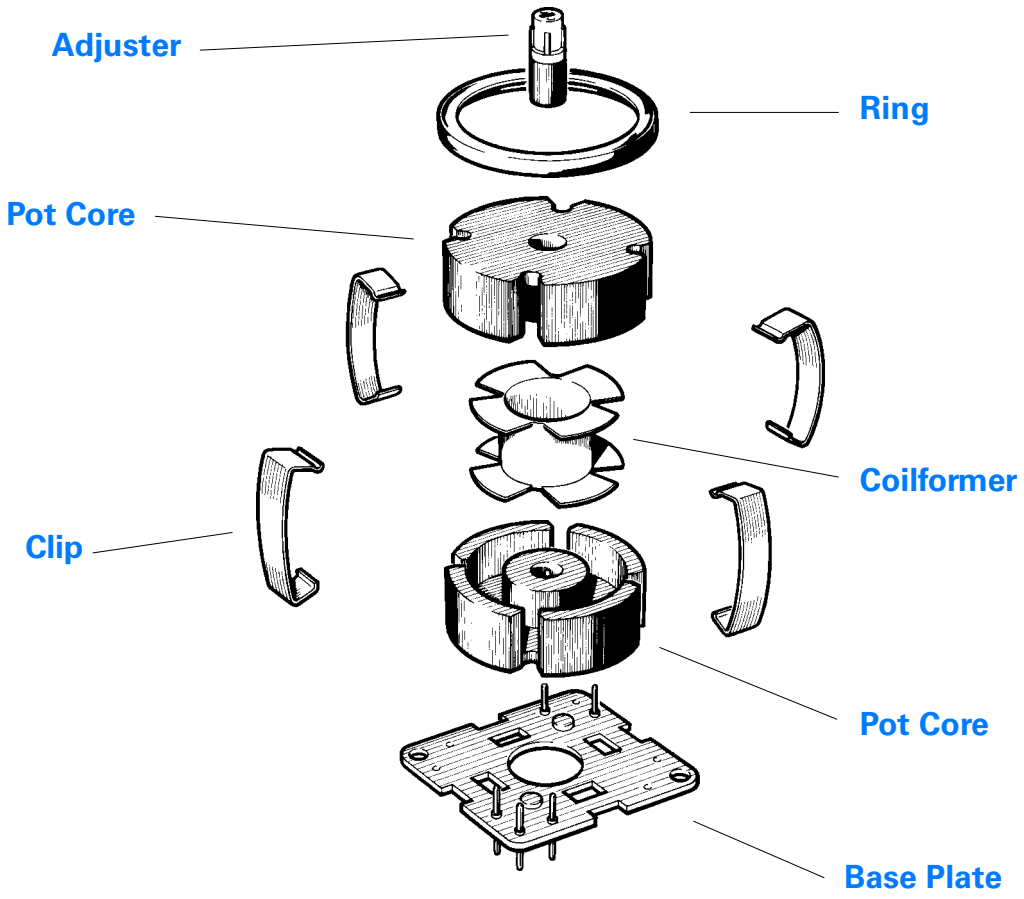
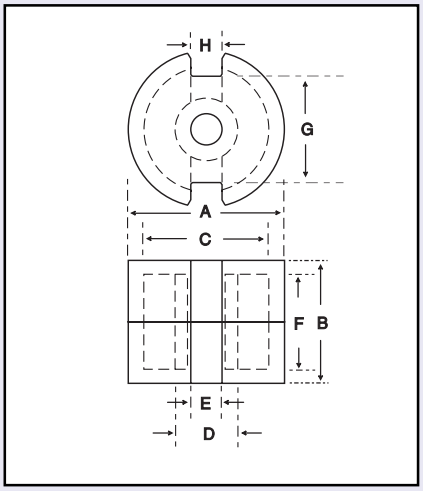
4 Slot Pot Core
Components



4 Slot Pot Cores

MMG offer a wide range of 4 Slot Pot cores based on the old 'VINKOR' series.
The cores are supplied gapped to an effective permeability range and are adjustable for tuned filters up to 5MHz. The larger cross-sectional area offered by the 4 Slot range allows for a higher power setting than the conventional 2 Slot version.
Also with the advantage of 2 more slots they can be used in applications where ½ and ¼ turns are required. A full range of bobbins and mounting assemblies are also available.

10 x 7mm
29-1010



Core Dimensions (mm)

A	9.78 - 10.22	F	4.20 - 4.60
B	6.70 - 6.90	G	6.54 - 6.86
C	8.14 - 8.54	H	-
D	4.14 - 4.38		
E	2.00 - 2.10		

Core Parameters

In accordance with IEC Document 60205.

Parameter	$\Sigma l/A$	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	$1.02mm^{-1}$	13.40mm	$13.20mm^2$	-	$177.00mm^3$

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F9C	3125	+30/-20%	-	2540	29-1000C36
P11	49	±3%	0.23	40	29-1010-41*
P11	78	±3%	0.17	63	29-1011-41*
P11	123	±3%	0.10	100	29-1012-41*

Part numbers refer to half cores.
* Part number refers to a pair of cores fitted with a threaded insert for adjustable inductance assemblies.

Bobbins/Coil Formers

Style	No. of Sections	Pins	Part Number
Vertical	1	-	60-1000-72

Adjusters

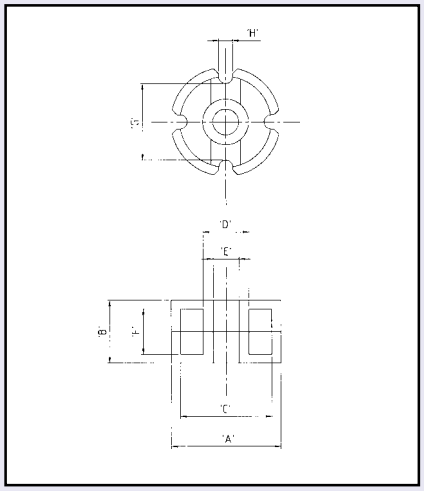
A_L Value	Part Number
49/78/123	64-7203-66

Mounting Assy

Clip (x4)	Ring	Base Plate
76-7701-95	76-7702-95	70-7703-90

Core Dimensions (mm)

A	13.70 - 14.30	F	5.60 - 6.00
B	8.90 - 9.10	G	9.72 - 10.20
C	11.41 - 11.91	H	1.50 - 1.90
D	5.90 - 6.20		
E	3.50 - 3.65		



14 x 9mm
29-1050

Core Parameters

In accordance with IEC Document 60205.

Parameter	$\Sigma l/A$	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.72mm^{-1}	18.70mm	25.90mm^2	-	484.00mm^3

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
P11	2125	+30/-20%	-	1220	29-1040-41
F58	70	±3%	0.48	40	29-1050-58*
P11	110	±3%	0.28	63	29-1051-41*
P11	175	±3%	0.17	100	29-1052-41*
P11	279	±3%	0.10	160	29-1053-41*
P11	437	±5%	0.04	250	29-1054-41*

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	-	60-1040-72

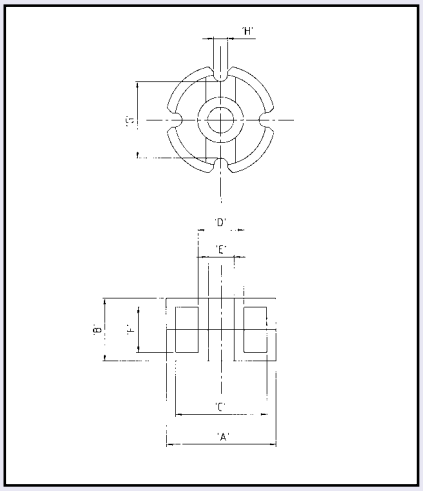
Mounting Assy

Clip (x4)	Ring	Base Plate
76-7711-95	76-7712-95	70-7712-90

Adjusters

A_L Value	Part Number
110/70	64-4824-66
175/279	64-4823-66
437	64-4825-66

18 x 11mm
29-1090



Core Dimensions (mm)

A	17.62-18.38	F	7.20-7.60
B	11.10-11.30	G	12.37-12.97
C	14.84-15.50	H	2.20-2.80
D	7.74-8.14		
E	4.47-4.65		

Core Parameters

In accordance with IEC Document 60205.

Parameter	$\Sigma l/A$	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.55mm^{-1}	24.70mm	44.30mm^2	-	1090.00mm^3

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
P11	3280	+30/-20%	-	1460	29-1080-41
P11	142	±3%	0.40	63	29-1091-41*
F58	142	±3%	0.40	63	29-1091-58*
P11	225	±3%	0.25	100	29-1092-41*
P11	360	±3%	0.13	160	29-1093-41*
P11	563	±5%	0.06	250	29-1094-41*

Part numbers refer to half cores.

* Part number refers to a pair of cores supplied with nut for adjustable inductance assemblies.

Bobbins/Coil Formers

Style	No. of Sections	Pins	Part Number
Horizontal	1	-	60-1080-72

Adjusters

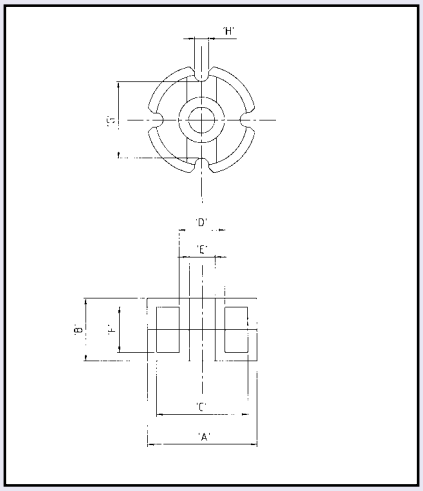
A_L Value	Part Number
142	64-4834-66
225/360/563	64-4833-66

Mounting Assy

Clip (x4)	Ring	Base Plate
76-7721-95	76-7722-95	70-7722-90

Core Dimensions (mm)

A	21.05 - 21.95	F	8.60 - 9.00
B	13.50 - 13.70	G	15.00 - 15.75
C	17.69 - 18.47	H	2.40 - 3.00
D	9.41 - 9.87		
E	4.47 - 4.65		



21 x 14mm
29-1130

Core Parameters

In accordance with IEC Document 60205.

Parameter	$\Sigma l/A$	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.425mm^{-1}	30.70mm	73.20mm^2	-	2220.00mm^3

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
P11	4290	+30/-20%	-	1450	29-1120-41
P11	186	±3%	0.48	63	29-1131-41*
F58	186	±3%	0.48	63	29-1131-58*
P11	296	±3%	0.30	100	29-1132-41*
P11	473	±3%	0.15	160	29-1133-41*
P11	739	±3%	0.07	250	29-1134-41*

Part numbers refer to half cores.

Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	0	60-1120-76

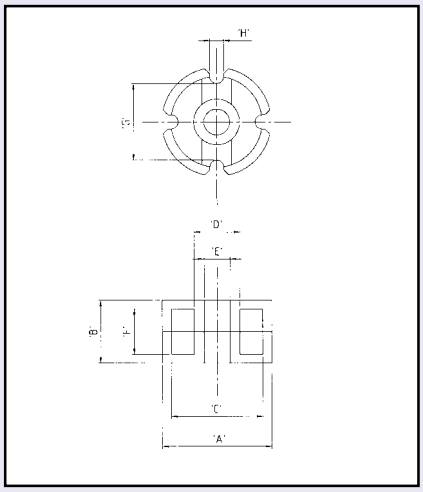
Mounting Assy

Clip (x4)	Ring	Base Plate
76-7731-95	76-7732-95	70-7732-90

Adjusters

A_L Value	Part Number
186	64-4834-66
296/473/739	64-4835-66

25 x 16mm
29-1170



Core Dimensions (mm)

A	24.87 - 25.93	F	10.20 - 10.60
B	15.90 - 16.10	G	18.06 - 18.94
C	21.06 - 21.94	H	2.70 - 3.30
D	11.05 - 11.59		
E	5.20 - 5.46		

Core Parameters

In accordance with IEC Document 60205.

Parameter	$\Sigma l/A$	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.364mm^{-1}	36.40mm	99.90mm^2	-	3630.00mm^3

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
P11	5210	+30/-20%	-	1510	29-1160-41
F58	138	±3%	1.07	40	29-1170-58*
P11	218	±3%	0.58	63	29-1171-41*
F58	218	±3%	0.58	63	29-1171-58*
P11	345	±3%	0.37	100	29-1172-41*
P11	552	±3%	0.18	160	29-1173-41*
P11	863	±3%	0.09	250	29-1174-41*
P11	1381	±3%	0.05	400	29-1175-41*

Part numbers refer to half cores unless otherwise indicated.

* Part number refers to a pair of cores supplied with nut.

Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	0	60-1160-72

Mounting Assy

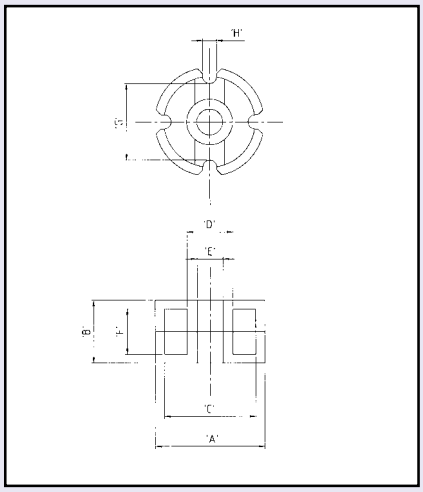
Clip (x4)	Ring	Base Plate
76-7741-95	76-7742-95	70-7742-90

Adjusters

A_L Value	Part Number
138/218/345	64-4844-66
552	64-4843-66
863/1381	64-4845-66

Core Dimensions (mm)

A	28.88 - 30.10	F	12.00 - 12.40
B	18.70 - 18.90	G	20.75 - 21.01
C	23.88 - 24.92	H	3.10 - 3.91
D	13.39 - 14.05		
E	5.20 - 5.46		



30 x 19mm
29-1200

Core Parameters

In accordance with IEC Document 60205.

Parameter	$\Sigma l/A$	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.283mm^{-1}	43.20mm	153mm^2	-	6590.00mm^3

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
P11	7270	+30/-20%	-	1640	29-1200-41
F9C	14065	+30/-20%	-	3170	29-1200C36
F58	111	±3%	1.44	25	29-1205-58*
P11	280	±3%	0.71	63	29-1211-41*
P11	444	±3%	0.46	100	29-1212-41*
P11	711	±3%	0.23	160	29-1213-41*
P11	1176	±3%	0.06	400	29-1215-41*

Part numbers refer to half cores.

Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	0	60-1200-72

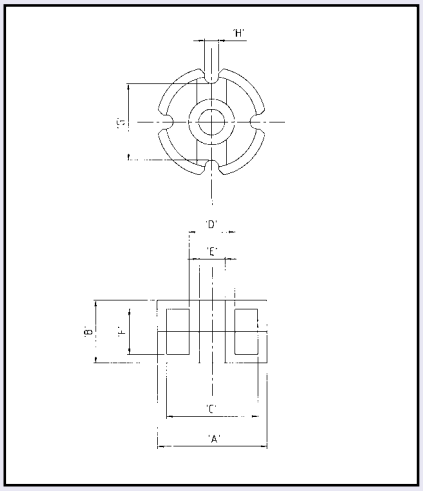
Mounting Assy

Clip (x4)	Ring	Base Plate
76-7751-95	76-7752-95	70-7752-90

Adjusters

A_L Value	Part Number
111	64-4844-66
280/444/711	64-4843-66
1176	64-4845-66

35 x 23mm
29-1250



Core Dimensions (mm)

A	34.75 - 36.25	F	14.58 - 14.98
B	22.70 - 22.92	G	25.17 - 25.43
C	28.70 - 29.92	H	3.61 - 4.39
D	15.80 - 16.61		
E	5.20 - 5.46		

Core Parameters

In accordance with IEC Document 60205.

Parameter	$\Sigma l/A$	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.236mm^{-1}	52.50mm	223mm^2	-	11,700mm^3

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
F9C	16690	+30/-20%	-	3135	29-1240C36
P11	8690	+30/-20%	-	1632	29-1240-41
F58	213	±3%	-	40	29-1250-58*
F58	336	±3%	0.86	63	29-1251-58*
P11	336	±3%	0.86	63	29-1251-41*
P11	533	±3%	0.55	100	29-1252-41*
P11	852	±3%	0.28	160	29-1253-41*
P11	1331	±-3%	0.14	250	29-1254-41*
P11	2130	±3%	0.08	400	29-1255-41*

Part numbers refer to half cores.

Bobbins/Coil Formers

Mounting	No. of Sections	Pins	Part Number
Horizontal	1	0	60-1240-72

Mounting Assy

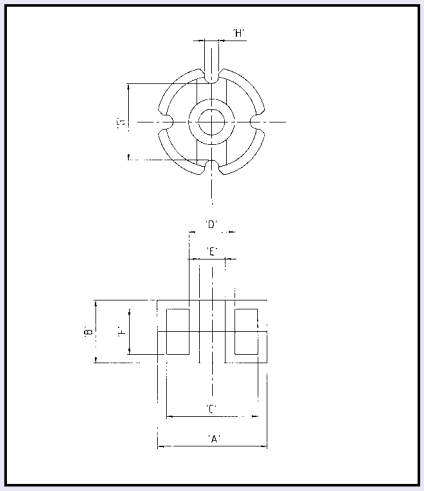
Clip (x4)	Ring	Base Plate
76-7761-95	76-7762-95	70-7762-90

Adjusters

A_L Value	Part Number
213	64-4844-66
336/533	64-4843-66
852/1331/2130	64-4863-66

Core Dimensions (mm)

A	44.08 - 45.92	F	18.80 - 19.20
B	29.10 - 29.30	G	32.54 - 34.14
C	36.55 - 38.13	H	3.60 - 4.60
D	19.70 - 20.68		
E	5.00 - 5.45		



45 x 29mm
29-1280-

Core Parameters

In accordance with IEC Document 60205.

Parameter	$\Sigma l/A$	Effective Length	Effective Area	Minimum Area	Effective Volume
Symbol	C_1	l_e	A_e	A_{min}	V_e
Value	0.185mm^{-1}	67.00mm	362mm^2	-	24,300mm^3

Electrical Specification

Material	A_L Value	Tolerance	Gap Length	Eff. Permeability	Part Number
P11	11040	+30/-20%	-	1625	29-1280-41
F44	10600	+30/-20%	-	1560	29-1280-44
F9C	18750	+30/-20%	-	2760	29-1280C36

Part numbers refer to half cores.

Bobbins/Coil Formers

Style	No. of Sections	Pins	Part Number
Vertical	1	-	60-1280-72

Mounting Assy

Clip (x4)	Ring	Base Plate
76-7771-95	76-7772-95	70-7772-90