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Interference Suppression : Inductors Common Mode Technical and Construction photos		GOB	3
Interference Suppression : Inductors Common Mode Open Types	MCM		4/5
Interference Suppression : Inductors Common Mode For PC Board Mounting	MPC		6
Interference Suppression : Toroidal Inductors For Light Dimmers and Triac Circuits Open Types	MDC		7
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INTERFERENCE SUPPRESSION INDUCTORS SINGLE WOUND TYPE MSW

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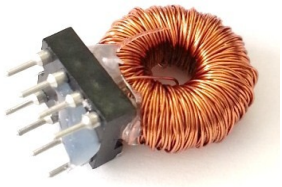
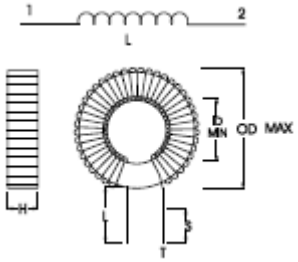
Mounted on a 6 Pin IC Socket



APPLICATION:
Radio Interference Suppression.
Current Transformers
Earth Line Chokes



SPECIFICATION
Manufacturing Standard. Manufactured to BS 613
1. INDUCTANCE TOLERANCE: +- 30%
2. RATED CURRENT: Referred to 50 Hz.
3. RATED INDUCTANCE: Measured at 1Khz at 25 ^{o}C.

Current Rating in Amps	Inductance in Millihenries	OD	ID	H	T	L	No Turns	Temp Rise°C	Stock Code	Remarks
SIZE 1 F14										
0.75	56	15.5	3	8	0.28	10	100	30	40/519	
1.5	3.5	15.5	3	8	0.355	12	25	30	40/726	
2	9.0	15.5	3	8	0.4	10	40	30	40/789	
3	1.25	15.5	3	8	0.5	16	15	22	40/544	
3	5.0	15.5	5	8	0.5	16	30	24	40/340	
SIZE 2 F23										
3	9.576	24	11	8	0.5	16	60	27	40/207	
4	3.447	28	10	10	0.63	7	36	28	40/452	Upright
5	5.62	25	10	9	0.71	16	45	29	40/123	
6	3.25	25	10	9	0.9	16	35	30	40/208	
6	3.25	25	10	9	0.9	16	35	30	40/422	
11*	1.407	26.5	9	10	1.41	16	23	30	40/128	
30	0.81	26.5	9	10	8x0.5	16	23	30	40/590	High Current
SIZE 3 F25										
3	180	31	8	16	0.5	21	133	30	40/415	

INTERFERENCE SUPPRESSION INDUCTORS COMMON MODE TYPE MCM

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APPLICATION
These inductors operate as current compensated chokes.
Electronic devices primarily generate common mode interference.
In order to meet the limit values of the safety requirements (limiting the leakage current and consequently the capacitance of Y capacitors), chokes with high unsymmetrically operating inductance must be used.
Current compensated ring core chokes are particularly suitable for this purpose. Their core is not saturated by the operating current due to a special winding configuration.
Therefore it is possible to use high permeability cores.
Due to their construction there is relatively little suppression of differential mode interference by current compensated chokes. It is therefore necessary to combine them with symmetrically connected capacitors or powder core chokes

Lead Configuration Diagrams

Fig 1

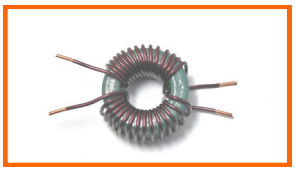


Fig 2

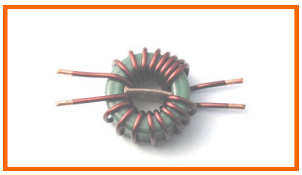


Fig 3

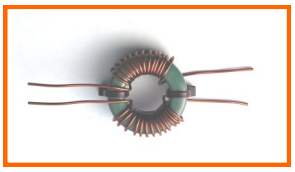


Fig 4

Fig 5

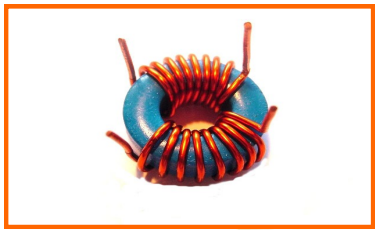


Fig 6

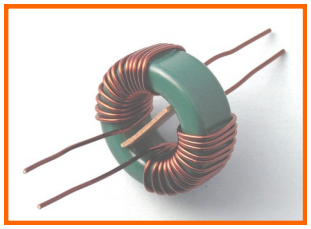


Fig 7

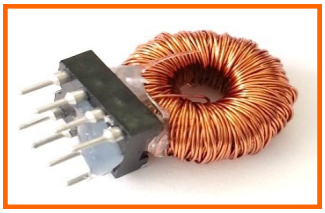


Fig 8

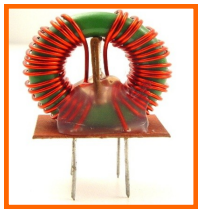


Fig 9

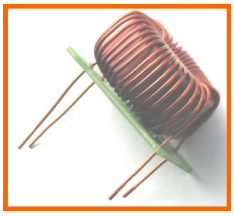
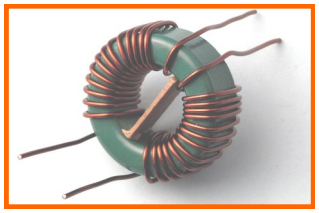


Fig 10



TECHNICAL DATA
Manufacturing Standard.
Manufactured to BS 613
1. INDUCTANCE TOLERANCE:
+- 30%
2. RATED CURRENT:
Referred to 50 Hz.
3. RATED INDUCTANCE:
Measured at 1Khz at 25 ^{o}C
.
4. TEST VOLTAGE:
1500 V.a.c. 2 Secs. (Winding to winding.)

INTERFERENCE SUPPRESSION INDUCTORS COMMON MODE TYPE MCM

BACK TO INDEX

Current Amps	Induc-tance Mh	OD	H	T	L	No Turns Winding	Temp Rise ° C	Lead Config. Fig	Stock Code
SIZE 1 F14									
2	2.95	15.5	8	.355	16	23	26	2	40/313
3	.1.25	15.5	8	.5	16	15	29	2	40/216
3	1.25	15.5	8	.5	50	15	29	2	40/216E
SIZE 2 F23									
0.5	53	25	10	.355	16	140	25	2	40/969
1	13	25	10	.355	16	70	26	2	40/270
1	13	25	10	.355	16	70	26	4	40/270S
3	2.39	25	8	.5	16	30	25	2	40/209
4	1.5	25	10	.63	7	24	30	5	40/453
5	0.68	25	8	.71	16	16	29	2	40/210
6	0.68	25	9	.9	16	16	22	2	40/215
6	1.5	27	12	.9	16	22	29	2	40/466
7.5	0.45	25	9	.9	16	13	28	2	40/211
10	0.266	26	10	1.18	16	10	29	2	40/213
10	0.266	26	10	1.18	16	10	29	3	40/213A
10	0.476	26	10	1.0	20	13	29	4	40/001
SIZE 3 F25									
3	30.85	30	14.5	.63	16	55	29	3	40/403
5	2.61	30	12.5	1.0	27	16	20	2	40/658
7	2.97	30	17	1.18	16	17	29	5	40/410
10	0.65	29	12.5	1+1	30	8 Bifilar	20	5	40/659
16	0.82			1.6		9		4	40/002

INTERFERENCE SUPPRESSION INDUCTORS COMMON MODE TYPE MCM

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Current Amps	Induc-tance Mh	OD	H	T	L	No Turns Winding	Temp Rise ° C	Lead Config. Fig	Stock Code
SIZE 4 F31									
4	2.2	38	19	.71	16	42	27	2	40/129
6.5	4.62	38	18	1.0	16	19	28	2	40/275
10	2.88	38	18	1.32	16	15	28	2	40/217
13.5	2.51	38	18	1.4	16	14	20	2	40/296
15	.1.84	39	20	1.6	16	12	15	4	40/652
16	.1.84	38	19	1.6	16	12	29	2	40/376
25-30	1.038	38	20	2.0	16	9	45	2	40/373
30	0.461	39	20	6x1	16	6	35	2	40/989
40	0.628	43	21	2.5	20	7	50	2	40/100
SIZE 4A 2x Size 4									
20	4.0	44	40	8x0.5	16	8	36	2	40/990
25	1.0	40	35	20	41/25	9	45	6	40/993
Size 5 F40									
20	0.623	50	26	4x1.18	50	9	16	2	40/030
30	0.4	51.5	27.5	5x1.18	50	8	19	2	40/031
40	0.3	52	28	6x1.18	50	7	25	2	40/032
50	0.25	50	27	10x1.0	50	6	23	2	40/021
Size 6 F65									
40	0.89	77	37	10x1.0	70	9	28	2	40/028
50	0.704	78	38	10x 1.18	70	8	26	2	40/024
60	0.539	79	40	10x 1.32	70	7	30	2	40/026
80	0.396	80	42	10x1.6	70	6	30	2	40/027
100	0.275	86	46	10x1.8	70	5	30	2	40/025
130	0.176	90	50	13x1.8	70	4	30	2	40/022

INTERFERENCE SUPPRESSION INDUCTORS COMMON MODE TYPE MPC

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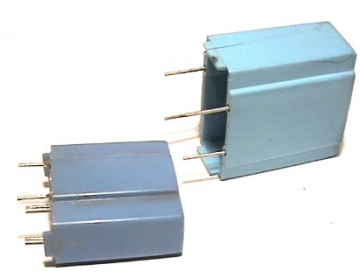
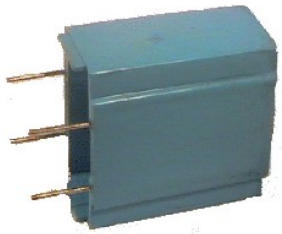
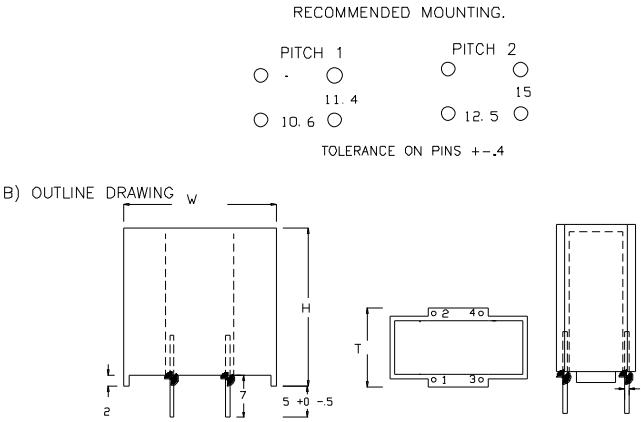
FOR PRINTED CIRCUIT BOARD MOUNTING

These inductors operate as current compensated chokes with ring cores semi-encapsulated in plastic cases with terminal pins.
They are ideal for applications where they will be used where vibration may be a problem as well as on printed circuit boards. Due to the high inductances of these units they are suitable for T.V. Sets , Switch mode power supplies, Video games and Computers







TECHNICAL DATA
Manufacturing Standard.
Manufactured to BS 613
1. INDUCTANCE TOLERANCE:
+- 30%
2. RATED CURRENT:
Referred to 50 Hz.
3. RATED INDUCTANCE:
Measured at 1Khz at 25 $_{o}$C
.
4. TEST VOLTAGE:
1500 V.a.c. 2 Secs. (Winding to winding.)

AMPS	INDUC-TANCE	W MAX	T MAX	H MAX	PITCH	Hous-ing	TEMP RISE °	Stock Code
0.75	56	31.5	18	33.5	2	PC2	25	40/631
1	13	31.5	18	33.5	2	PC2	26	40/417
1	27	31.5	18	33.5	2	PC2	17	40/438
3	2.39	31.5	18	33.5	2	PC2	25	40/745

INTERFERENCE SUPPRESSION INDUCTORS FOR LIGHT DIMMERS AND TRIAC CIRCUITS TYPE MDC

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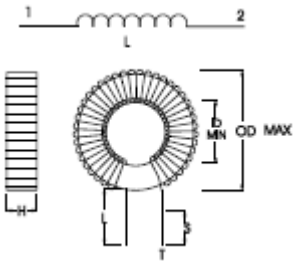
For suppression of power controls using thyristors, triacs and quadracs, used in light dimmers etc.Used in conjunction with suitable capacitors, interference can be reduced to limits specified by the S.A.B.S. (Plascraft can provide testing facilities and assist with the selection of the correct capacitors and resistors.) These inductors are available in single wound toroids with encapsulated versions shown below



TECHNICAL DATA
Manufacturing Standard.
Manufactured to BS 613
1. INDUCTANCE TOLERANCE:
+- 20%
2. RATED CURRENT:
Referred to 50 Hz.
3. RATED INDUCTANCE:
Measured at 1Khz at 25 ^{o}C

APPLICATION
See next Page For a Dimmer Circuit and application Notes

INDUCTORS FOR USE WITH LIGHT DIMMERS AND TRIAC CIRCUITS

Watts	Inductance mh	OD.	ID.	H.	T.	L	Turns	Temp rise° C *	Stock Code	Resistance milliΩ	Capacitor Cx1 µF	Remarks
100	2.0	15.5	4.2	8	.25	16	250	15	40/379	1600	.068	
200	2.0	15.5	4.2	8	.25	16	250	59	40/379	1600	.068	
200	3.28	24	8	10	.355	16	270	33	40/354	1170	.068	Very Low Flicker
300	1.8	23	8.5	9.5	.355	21	200	55	40/364	909	.1	
400	1.378	24	4	12.5	.5	21	175	45	40/361	404	.1	
500	1.378	24	4	12.5	.5	21	175	80	40/361	404	.1	
600	1.02	28	8	14	.63	25	121	48	40/622	224	.15	
600	1.2	36	15	11.5	.63	25	170	34	40/765	260	.1	Low Temperature
800	.770	29	7	14	.71	25	105	63	40/623	185	.22	
800	1.08	31.5	7	16	.71	25	108	54	40/766	180	.15	
1000	.729	25	4	22	.71	21	90	95	40/327	190	.22	Very High Temp
1000	1.4	43	12	15	.9	35	122	38	40/365	140	.22	
1500	.821	45	13	22	1.18	35	92	55	40/362	72	.33	
2000	.545	45	13	22	1.32	35	75	55	40/363	55	.47	
3000	.610	54	12	27	1.8	35	61	60	40/368	40	.68	
4000	.59	54	12	27	2.0	35	60	65	40/369	25	.68	
6000	.353	70	15	42	3x1.6	35	47	46	40/469	10	1.0	

* Temperature Rise Measurements done in oil. Max Temperature rise allowed 95° C

INTERFERENCE SUPPRESSION INDUCTORS FOR LIGHT DIMMERS AND TRIAC CIRCUITS TYPE MDE

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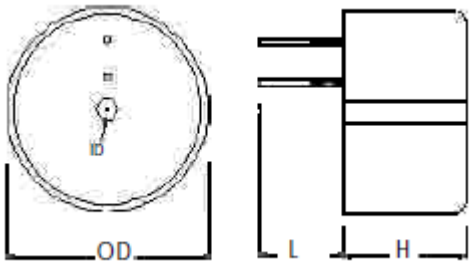
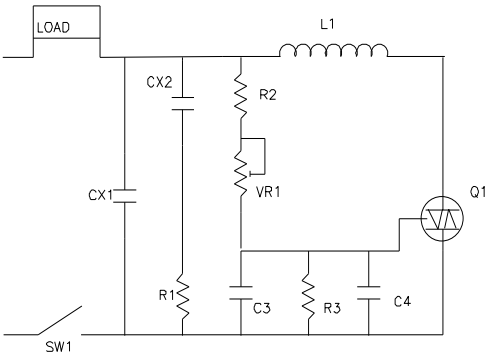
For suppression of power controls using thyristors, triacs and quadracs, used in light dimmers etc.Used in conjunction with suitable capacitors, interference can be reduced to limits specified by the S.A.B.S. (Plascraft can provide testing facilities and assist with the selection of the correct capacitors and resistors.) These inductors are available in single wound toroids with encapsulated versions shown below



ENCAPSULATED INDUCTORS FOR USE WITH LIGHT DIMMERS AND TRIAC CIRCUITS								
Watts	**Inductance micro henries**	**OD.**	**ID.**	**H.**	**T.**	**Temp rise° C**	**Housing**	**Stock Code**
3000	**610**	**60**	**6.4**	**36**	**35**	**65**	**I5**	**40/336**
4000	**590**	**60**	**6.4**	**36**	**35**	**60**	**I5**	**40/337**

The Typical circuit is intended to show the suppression component positions as follows.
L1 : Inductor to be chosen from the table below based on Wattage required and temperature rise. If used at higher wattages the temperature rise will increase.
CX1: Value of Suppression Capacitor to be used in conjunction with L1 to achieve a level of 64DBuv suppression level.
CX2 and R1 may be added to prevent flicker with low wattage loads.
Typical value .1uf and 470 Ohm
NOTE: Both Capacitors CX1 andCX2 should be “X” type capacitors due to pulses on the line



SWITCH MODE POWER SUPPLY OUTPUT CHOKES TYPE MSM

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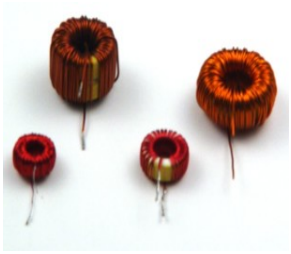
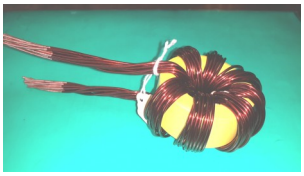
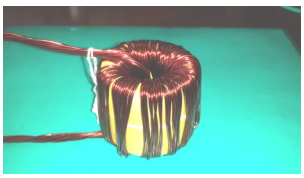
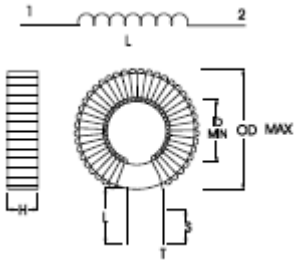
Standard Versions







TYPICAL APPLICATIONS:
50 HZ Differential-mode EMI Line Chokes
DC Chokes: <50KHz or low Et/N
DC Chokes: >50KHz or higher Et/N
Power Factor Correction Chokes: < 50KHz
Power Factor Correction Chokes: >= 50KHz



RATINGS
1. INDUCTANCE TOLERANCE: +- 20%
2. RATED CURRENT: Referred to 50 Hz.
3. RATED INDUCTANCE: Measured at 1Khz at 25 ₀ C.

Current Rating in Amps	Induc-tance in Micro-henries	OD	H	T	L	No Turns	Temp Rise°C	Stock Code	Remarks
Core Size 1 DC Energy Storage :10 to 40 Degrees Temperature Rise: 60 to 180 Microjoules									
1	150	14	7	.4	10	64	30	40/578	
3	34	15	6.5	.56	10	34	30	40/223	
Core Size 2 DC Energy Storage :10 to 40 Degrees Temperature Rise: 330 to 960 Microjoules									
2	154	23.5	10	.56	16	58	28	40/029	
4	450	24	12.5	.71	21	100	30	40/387	
4	99	22.5	9	.71	16	47	23	40/172	
5	61	2316	9	.8		37	30	40/380	
12	15	24	10.5	1.32	16	14	35	40/010	
Core Size 2A DC Energy Storage :10 to 40 Degrees Temperature Rise: 660 to 1920 Microjoules									
4	729	24	18	.8	35	90	70	40/181	
4	729	24	18	.71	10	90	90	40/386	For p.c.b mounting

SWITCH MODE POWER SUPPLY OUTPUT CHOKES TYPE MSM

BACK TO INDEX

Current Rating in Amps	Induc-tance in Micro-henries	OD	H	T	L	No Turns	Temp Rise°C	Stock Code	Remarks
Core Size 3 DC Energy Storage :10 to 40 Degrees Temperature Rise: 610 to 1730 Microjoules									
2	650	26	12	.355	10	96	30	40/225	
Core Size 4 DC Energy Storage :10 to 40 Degrees Temperature Rise: 1100 to 3200 Microjoules									
10	67	31	14	1.2	12	27	30	40/009	
Core Size 4									
Core Size 5									
Core Size 6 DC Energy Storage :10 to 40 Degrees Temperature Rise: 3100 to 8500 Microjoules									
8	645	46	18	1.32	36	82	25	40/654	
7	150	42	15	1.0	35	40	26	40/173	
30	63	44	16	2.0	35	26	50	40/162	
Core Size 7 DC Energy Storage :10 to 40 Degrees Temperature Rise: 4050 to 11500 Microjoules									
8	203	44	16	1.18	40	46	42	40/023	
13	242	48	24	1.8	35	50	55	40/163	
Core Size 8 DC Energy Storage :10 to 40 Degrees Temperature Rise: 8000 to 22000 Microjoules									
Core Size 9 DC Energy Storage :10 to 40 Degrees Temperature Rise: 19000 to 40000 Microjoules									
80	35	74	37	10x1.18		15		40/017	
Core Size 9A DC Energy Storage :10 to 40 Degrees Temperature Rise: 38000 to 80000 Microjoules									
60	150	71	63	10x1.0		22		40/016	

HIGH FREQUENCY BEAD/TUBE INDUCTORS TYPE MBT

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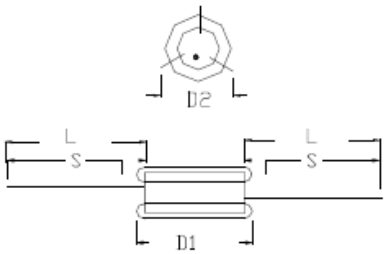
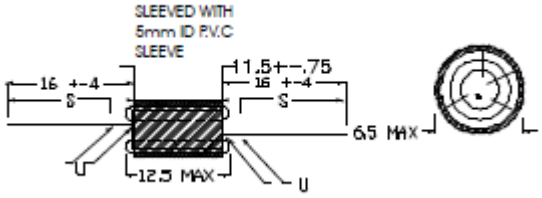
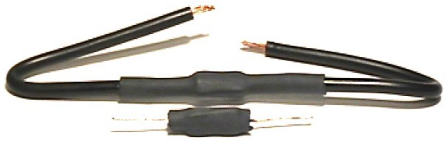
VHF chokes of a ferrite core with a centre hole, available with and without sleeving. Suitable for use in the frequency range from 50 to 200 Mhz.
These chokes are suitable for broadband interference suppression in electrical apparatus and appliances in the HF and VHF range, and to reduce the radiated interference from radio and TV receivers.



Current Rating in Amps	Inductance in Microhenries	D1	D2	T	L	No Turns	Temp Rise°C	Stock Code	Remarks
5	60	12.5	6.5	.5	16	3	60	40/205	
5	60	12.5	6.5	.5	16	3	60	40/421	Tinned Leads

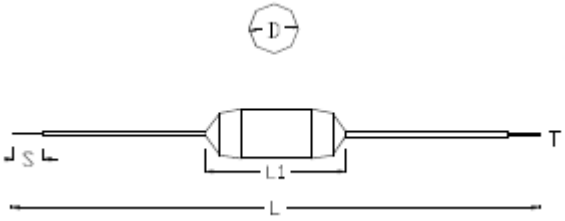
Bead with Sleeving and solid lead wire

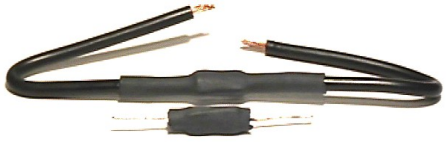




Current Rating in Amps	Inductance in Microhenries	D1	D2	T	L	No Turns	Temp Rise°C	Stock Code	Remarks
5	80	12.5	6.5	.5	16	4	60	40/206	

Bead with Sleeving and Flexible wires



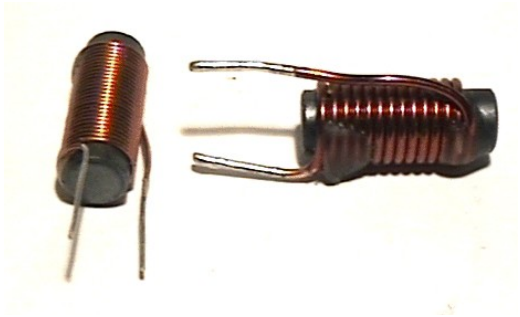


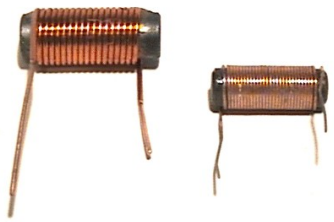
Current Rating in Amps	Inductance in Microhenries	D1	D2	T	L	No Turns	Temp Rise° C	Stock Code	Remarks
5	60	42	60	*	180	3	60	40/254	* 5 mm sq Flexible Wire

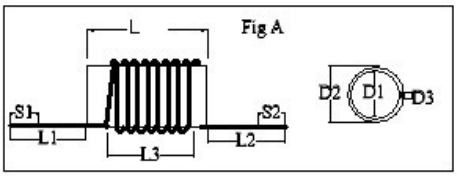
HIGH FREQUENCY ROD CHOKES TYPE MHR

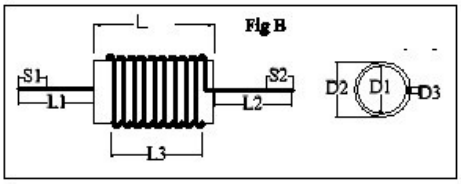
BACK TO INDEX

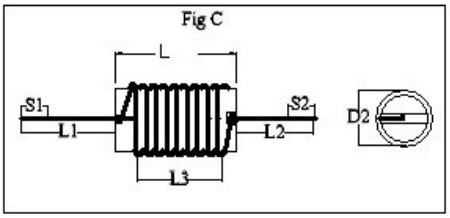
VHF chokes of a ferrite rod, available as standard or P.C. board mount. Suitable for use in the frequency range from 30 to 200 Mhz.
These chokes are suitable for broadband interference suppression in electrical apparatus and appliances in the HF and VHF range, and to reduce the radiated interference from radio and TV receivers, Switch mode power supplies and appliances using brush motors.

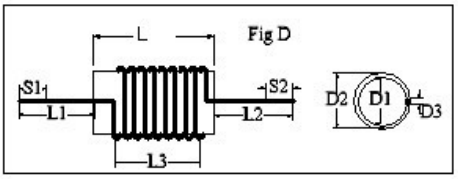


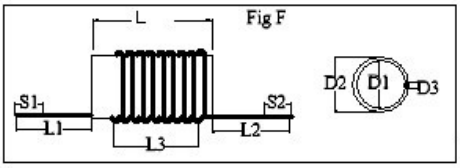












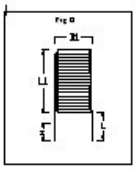
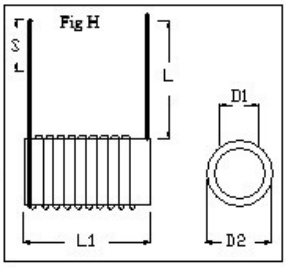
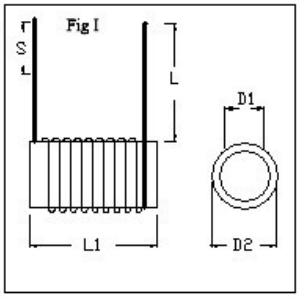


Fig G





HIGH FREQUENCY ROD CHOKES TYPE MHR

BACK TO INDEX

VHF chokes of a ferrite rod, available as standard or P.C. board mount. Suitable for use in the frequency range from 30 to 200 Mhz.
These chokes are suitable for broadband interference suppression in electrical apparatus and appliances in the HF and VHF range, and to reduce the radiated interference from radio and TV receivers, Switch mode power supplies and appliances using brush motors.

Inductance (uh)	Rod	Test Freq	I dc (A)	Lead Wire Size (mm)	Figure	Diameter Max.	Stock Code	Remarks
18.2	6.35/19	1khz/S	2.5	0.5	G	9	40/367	
34	5/20	1khz/S	5	.63	I	7.5	40/981A	
34	5/20	1khz/S	5	.63	G	7.5	40/981	
7.0	6.35/19	1khz/S	7.5	.71	H	8	40/513	
8.0	6.35/19	1khz/S	7.5	.71	I	8	40/809	
5.4	6.35/19	1khz/S	10	1.0	G	11.5	40/390	
2.5	6.35/19	1khz/S	10	1.0	G	10	40/391	
5.1	6.35/19	1khz/S	15	1.18	G	9	40/003	
4.4	6.35/19	1khz/S	18	1.41	I	9	40/551	
3.0	5/20	1khz/S	22	1.6	A	8.5	40/012	
2.0	5/20	1khz/S	22	1.6	F	8.5	40/013	
2.4	5/20	1khz/S	22	1.6	D	8.5	40/006	
2.2	5/20	1khz/S	26	2.0	F	9.5	40/007	
1.9	6.35/19	1khz/S	30	2.6	A	11	40/008	
1.7	6.35/19	1khz/S	35	3.0	H	13	40/015	

FERRITE TRANSFORMERS AND INDUCTORS E,EF,RM,P, TYPE MTR

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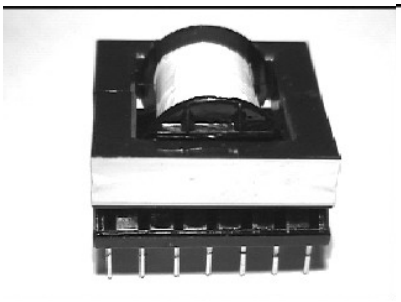
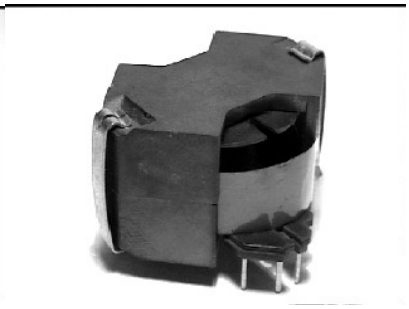
Using Precision German Linear winding machines Plascraft is able to wind on bobbins, or other items supplied by the customer either to assist in times of overload or else as an economical solution to replace in-house winding. A wide range of sizes may be accomodated in addition to having the ability to wind thin wires with accurate tension control.

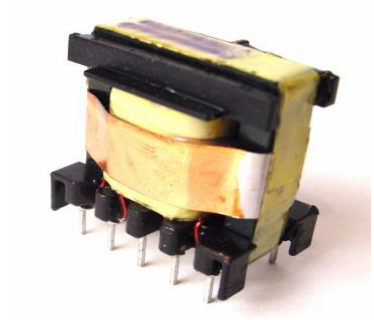
E-Core Transformer



R.M. Core Transformer



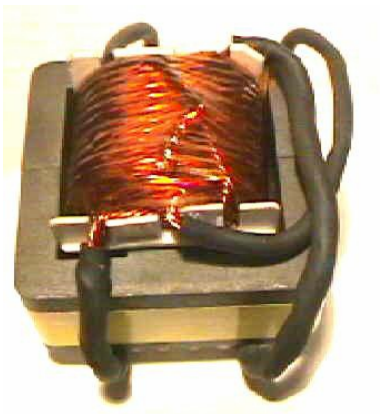
E-Core Screened Transformer



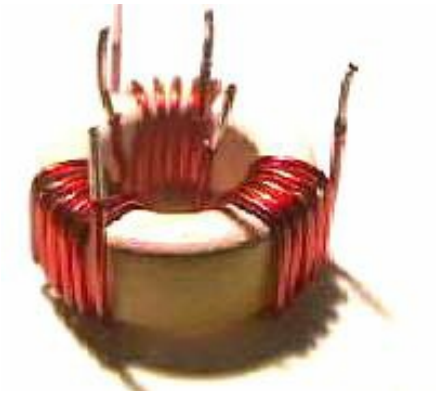
Transformers for use in Switched mode power supplies may need to be screened if excessive R.F.I is produced. Plascraft has a screened room equipped with Quasi-Peak R.F.I testing equipment and is able to test power supplies to C.I.S.P.R. requirements, which assists in establishing the correct design of transformer. Suitable Suppression circuits can be designed to complement the transformer

Pot Core Transformer

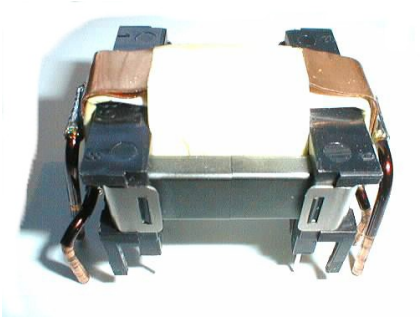
E-Core Transformer



Toroidal Pulse Transformer



E-Core High power Tape wound Transformer



Toroidal Pulse Transformer

Toroidal Bifilar Transformer

CURRENT TRANSFORMERS TYPE MCT

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Plascraft manufactures a range of transformers and coils for use in telecommunications systems and switchedmodepower supplies. Transformers are available for DC isolation, base drive, power switching and current sensing.
Several packaging configurations are available. Transformers can be wound on bobbins or overwound on toroids.
Plascraft will custom design and manufacture a transformer to your specification as required

Using modern Toroidal coil winding machinery ,Plascraft is able to wind multiple turn windings on a variety of cores with thin wire to achieve highly efficient current transformers. These units are well suited for use in equipment monitoring A.C. mains usage such as energy management meters, pumps, gate controllers and Industrial Controllers

Current Transformer Coil Wound on Silicon Iron Core

Current Transformer : Custom 2000 Turn Winding on Silicon Iron core and potted in Plastic Case with centre hole for current carrying conductor

Fig B Open with Flexible Leads Construction

Type C View from Base

Fig A Open Construction

Custom

CURRENT TRANSFORMERS TYPE MCT

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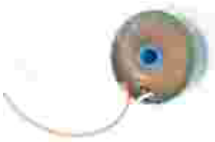
Type A Open Type. This is the Basic wound Current Transformer , Care must be Taken when using this Construction as damage to the leads and wire may be caused

Type B Taped Open-Type.
This is a Type A for use when the unit will be protected from damage to the leads and wire

Type C Rectangular Type
For Printed Circuit Board
Mounting with Pins



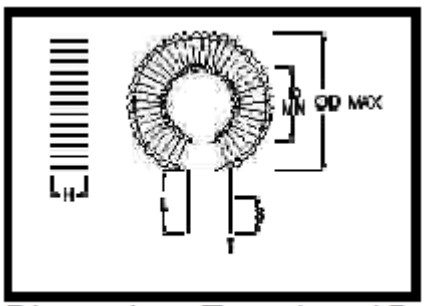
D Round Type
Encapsulated with Flexible PVC Leads

APPLICATION
-Electronic over Current Relay
-Electric Motor Protection relay
-Motor, heater control

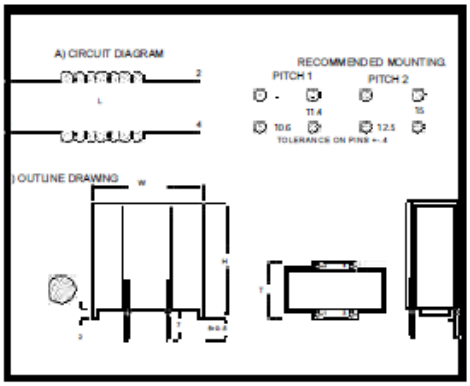
FEATURES
-Low Cost approach
-Current monitoring and sensing
-High Saturation induction ,Dielectric withstanding of 2.0KV -4.0

Note: The maximum input current of a CT can be increased by varying the ohms of the burden resistor. Lowering the ohms of the burden resistor will increase the maximum input of the CT, but it lowers the resolution. Also, the accuracy of the output voltage depends on the accuracy of the burden resistor. The burden resistor should never be used for more than 55%of its wattage capacity, and thermal concerns of the surrounding materials should be considered to prevent over heating damage. For circuits requiring very accurate outputs, the CT should only be used up to 50 % of saturation line of the core

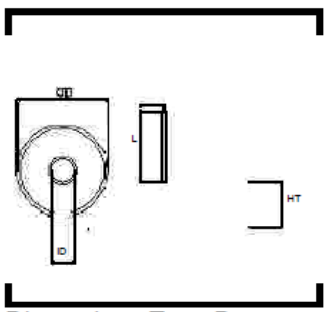
Definition Of Terms
DCR: DC Resistance of Secondary Winding
Im: Max Rated current
Rb: Burden Resistance
Dimensions: OD is the Outside Diameter of the CT, ID is the Diameter of the centre Hole where the Conductor Passes Through, HT is the Height of the CT, L is the length of the Leads



Dimensions Type A and B



DimensionsType C



Dimensions Type D

CURRENT TRANSFORMERS TYPE MCT

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SIZE CT F14									
Description	Current Ratio	DCR(+-6%) Ω	Im Rb=1Ω	Im Rb=20Ω	Im Rb=100Ω	Code	Fig	Housing	Dimensions OD-W/ID/HT
CTF14/100A	100:1	1.0	5A	0.1A	N/A	42/001	A	Open	15.0/6.0/6.0

SIZE CT F23									
Description	Current Ratio	DCR(+-6%) Ω	Im Rb=1Ω	Im Rb=20 Ω	Im Rb=100Ω	Code	Fig	Housing	Dimensions OD-W/ID/ HT
CTF23/500A	500:1	6.8	80A	20A	3A	42/003	A	Open	26.0/10.0/9.0
CTF23/500B	500:1	6.8	80A	20A	3A	42/015	B	Taped	26.0/10.0/9.0
CTF23/500C	500:1	6.8	80A	20A	3A	42/016	C	PC2	33/31/18/11
CTF23/500D	500:1	6.8	80A	20A	3A	42/017	D	CTR	33/8/15
CTF23/1000A	1000:1	13.3	150A	60A	15A	42/004	A	Open	26.0/10.0/9.0
CTF23/1000B	1000:1	13.3	150A	60A	15A	42/018	B	Taped	26.0/10.0/9.0
CTF23/1000C	1000:1	13.3	150A	60A	15A	42/019	C	PC2	33/31/18/11
CTF23/1000D	1000:1	13.3	150A	60A	15A	42/020	D	CTR	33/8.0/15.0

CURRENT TRANSFORMERS TYPE MCT

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SIZE CT F25

Description	Current Ratio	DCR(+-6%) Ω	Im Rb=1Ω	Im Rb=20Ω	Im Rb=100Ω	Code	Fig	Housing	Dimensions OD-W/ID/HT
CTF25/500A	500:1	9.2	125A	40A	5A	42/005	A	Open	27.5/11.0/12.0
CTF25/500B	500:1	9.2	125A	40A	5A	42/022	B	Taped	27.5/11.0/12.0
CTF25/500C	500:1	9.2	125A	40A	5A	42/023	C	PC2	33/31/18/11
CTF25/500D	500:1	9.2	125A	40A	5A	42/024	D	CTR	33.0/7.0/18.0
CTF25/1000A	1000:1	24.0	175A	100A	30A	42/006	A	Open	27.5/11.0/12.0
CTF25/1000B	1000:1	24.0	175A	100A	30A	42/025	B	Taped	27.5/11.0/12.0
CTF25/1000C	1000:1	24.0	175A	100A	30A	42/026	C	PC2	33/31/18/11
CTF25/1000D	1000:1	24.0	175A	100A	30A	42/027	D	CTR	33.0/7.0/18.0

SIZE CT F31 (Ferrite Core)

Description	Current Ratio	DCR(+-6%) Ω	Im Rb=1Ω	Im Rb=20Ω	Im Rb=100Ω	Code	Fig	Housing	Dimensions OD-W/ID/HT
CTF31/500A	500:1	10.8	150A	50A	10A	42/007	A	Open	34.0/16.0/15.0
CTF31/500B	500:1	10.8	150A	50A	10A	42/028	B	Taped	34.0/16.0/15.0
CTF31/500D	500:1	10.8	150A	50A	10A	42/029	D	CTR	38.0/9.0/20.0
CTF31/1000A	1000:1	31	300A	150A	40A	42/008	A	Open	34.0/15.5/15.5
CTF31/1000B	1000:1	31	300A	150A	40A	42/030	B	Taped	34.0/15.5/15.5
CTF31/1000D	1000:1	31	300A	150A	40A	42/031	D	CTR	38.0/9/20.0
CTF31/2000A	2000:1	45	400A	250A	100A	42/009	A	Open	35.0/12.5/16.5
CTF31/2000B	2000:1	45	400A	250A	100A	42/032	B	Taped	35.0/12.5/16.5
CTF31/2000D	2000:1	45	400A	250A	100A	42/033	D	CTR	38.0/9.0/20.0

CURRENT TRANSFORMERS TYPE MCS

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TYPE CT S24 (Silicon Core)

Description	Current Ratio	DCR(+-6%) Ω	Im Rb=1Ω	Im Rb=20Ω	Im Rb=100Ω	Code	Construction
CTS24/500A	500:1	7.0	200A	150A	40A	42/010	Types A
CTS24/500B	500:1	7.0	200A	150A	40A	42/036	Type B

DIMENSIONS TYPE CT S24

Type	OD	ID	HT	Lead Length mm
A,B	26.5	7.5	15.0	30-65
D	32.5	7.0	18.0	100

TYPE CT S33 (Silicon Core)

Description	Current Ratio	DCR(+-6%) Ω	Im Rb=1Ω	Im Rb=20Ω	Im Rb=100Ω	Code	Construction
CTS33/500A	500:1	11.6	400A	150A	40A	42/011	Types A
CTS33/1000A	1000:1	25	400A	300A	70A	42/012	Types A
CTS33/2000A	2000:1	47	400A	300A	100A	42/013	Types A

DIMENSIONS TYPE CT S33

Type	OD	ID	HT	Lead Length mm
A,B	37.5	14.5	16.5	30-65
D	44.0		20	100

AIR CORE COILS TYPE MAI

BACK TO INDEX

Using Precision German Linear winding machines Plascraft is able to wind on bobbins, or other items supplied by the customer either to assist in times of overload or else as an economical solution to replace in-house winding.
A wide range of sizes may be accommodated in addition to having the ability to wind thin wires with accurate tension control.

Fig A Air Core Coil for Proximity Sensor

Air Core Coil mounted in Proximity Sensor

Fig B Air Core Coils

Fig C Air Core Coils

Ordering
For any of the above items it is necessary when ordering to provide a drawing with Dimensions ,no of turns , Wire size, Type of wire and Electrical requirements

RF COILS TYPE MRF

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Using Precision German Linear winding machines Plascraft is able to wind on bobbins, or other items supplied by the customer either to assist in times of overload or else as an economical solution to replace in-house winding.
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Rf Coil

Rf coil with Adjuster

Ordering
For any of the above items it is necessary when ordering to provide a drawing with Dimensions ,no of turns , Wire size, Type of wire and Electrical requirements

PACKAGING PAC

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Polybag Packaging.

Polystyrene Packaging

Display Packaging.
Product can be individu-
ally packed
In Polybags with a label
for display

Carton 1 Size 23x15x15cm ,5175cu cm ,193 cartons cu. metre
Carton 2 Size 25x15x25,9375cu. Cm , Max weight 18Kgs
Carton 3 Size 30x21x28, 17640cu.cm. Max weight 18Kgs

Carton Identification.
Plascraft
Customer Name and Address
(If Contents are 1 Item)
Product Type
Stock Code
Product Description .
Quantity.

(If Contents contain more than 1 Item)
Plascraft
Customer Name and Address

Bag Identification
Plascraft. 011-4937782
Product Type
Stock Code
Product Description
Capacitors: Capacitor Type, Value,
Voltage, Tolerance, Lead Spacing

Inductors: Inductance, Current Rating,
Voltage