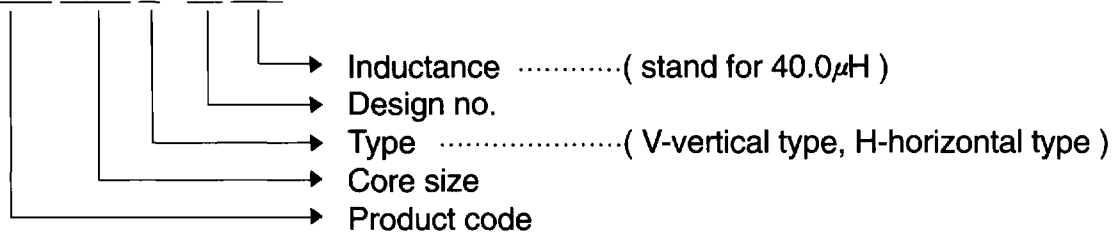


Classification

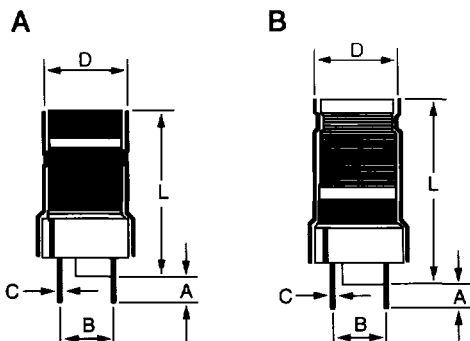
LCDR 1012 V - 01 400



Custom made coils with different inductance and rated current available on request.

Standard Types (Linearity Coil)

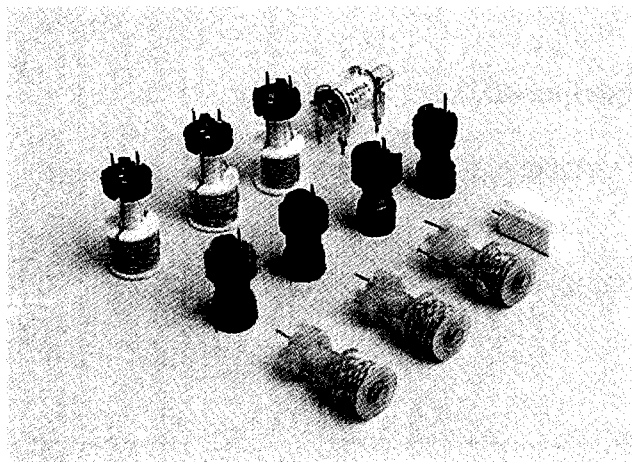
(unit : mm)



Type		D	L	A	B	C
A	LCOW1012V	14.0 ±1.0	31.0 ±1.0	4.5 ±0.5	7.0 ±0.3	0.8 ±0.1
	LCOW1415V	18.0 ±1.0	33.0 ±1.0	4.5 ±0.5	10.0 ±0.3	0.8 ±0.1
B	LCOW1215V	16.0 ±1.0	33.0 ±1.0	4.5 ±0.5	7.0 ±0.3	0.8 ±0.1

Model	Inductance (mH); 20% *Pin with a positive current voltage											DCR (Ω) Max.	Type
	-5A	-4A	-3A	-2A	-1A	0A	+1A	+2A	+3A	+4A	+5A		
LCOW1010V-01400			44.5	44.5	43.5	40.0	30.0	20.5	13.8			100	A
LCOW1010V-02120			55.7	45.5	23.3	12.0	7.4	6.0	5.3			43	A
LCOW1215V-01080	49.0	47.0	33.0	16.0	10.2	8.0	6.6	6.1	5.7	5.6	5.4	80	B
LCOW1215V-02095			44.8	27.0	13.7	9.5	7.5	6.2	5.8			50	B
LCOW1215V-03100	21.7	20.8	19.1	16.5	13.4	10.0	7.7	5.9	4.8	4.2	3.8	250	A
LCOW1215V-04140	30.0	30.0	27.5	24.2	20.0	14.0	10.0	7.6	6.0	5.2	4.6	330	A
LCOW1215V-05120			33.0	27.7	18.7	12.0	8.7	6.8	5.7			40	B
LCOW1215V-06125				32.2	20.7	12.5	7.9	5.8				45	B
LCOW1215V-07125			66.0	54.0	25.0	12.5	9.0	7.5				50	B
LCOW1215V-08130			31.0	26.7	19.5	13.0	9.6	7.3	5.7			27	B
LCOW1215V-09150			47.0	41.0	27.0	15.0	9.8	7.0	5.8			45	B
LCOW1215V-10160		52.0	45.3	37.5	23.7	16.0	14.4	12.3	10.2	8.2		80	B
LCOW1215V-11200			46.1	40.3	30.9	20.0	12.9	9.4	7.7			36	B
LCOW1215V-12200			64.0	59.0	38.0	20.0	13.0	9.5	8.0			60	B
LCOW1215V-13200			127.0	94.5	36.0	20.0	15.0	13.1	12.0			60	B
LCOW1215V-14230			149.0	127.0	44.0	23.0	17.0	15.0	14.0			70	B
LCOW1215V-15290			81.0	70.0	55.0	29.0	18.0	12.0	10.0			60	B
LCOW1215V-16300				125.0	74.0	30.0	17.3	13.1				70	B
LCOW1215V-17310			131.0	131.0	82.0	31.0	18.0	14.0	12.5			70	B
LCOW1215V-18200			110.0	105.0	57.0	20.0	15.0	10.0				70	A
LCOW1415V-01420			73.0	73.0	63.0	42.0	25.0	17.0	13.5			100	A
LCOW1415V-02420			160.0	160.0	147.0	42.0	26.0	22.0	21.5			100	A
LCOW1415V-03360			115.0	115.0	98.0	36.0	19.5	15.0	13.0			80	A
LCOW1415V-04750				295.0	305.0	75.0	38.0	30.0				300	A

Width Coils & Linearity Coils



Features

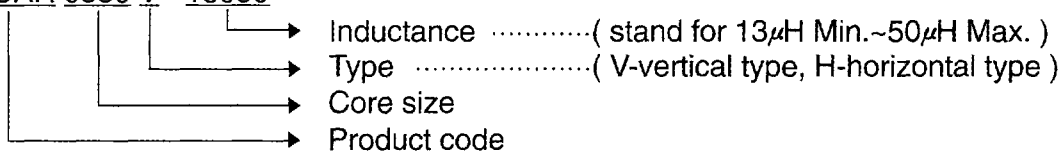
- Compact and light weight, they are easily installed on printed circuit boards.
- Excellent heat resistance characteristics.
- Superior anti-vibration characteristics

Applications

- For dynamic focus coil.
- Width coil of television display.
- Monitor and TVs.
- For horizontal linear revise coil of television set.

Classification

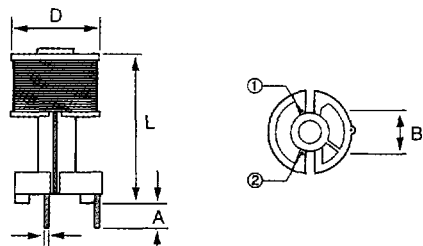
WCAR 0530 V - 13050



Custom made coils with different inductance and rated current available on request.

Standard Types (Width Coil)

(unit : mm)



D	L	A	B	C
19.0 ± 1.0	39.0 ± 1.0	4.5 ± 0.5	11.0 ± 0.3	0.8 ± 0.1

Model	Terminal	Wire Size	Variable Range		DCR(Ω)Max.
			Min.(μ H)	Max.(μ H)	
WCAR0530V-13050	1-2	$\phi 0.25 \pm 8$	≤ 13.0	≥ 50.0	0.10
WCAR0530V-20055	1-2	$\phi 0.25 \pm 7$	≤ 20.0	≥ 55.0	0.10
WCAR0530V-15050	1-2	$\phi 0.25 \pm 7$	≤ 15.0	≥ 50.0	0.10
WCAR0530V-17032	1-2	$\phi 0.25 \pm 10$	≤ 17.0	≥ 32.0	0.10
WCAR0530V-23037	1-2	$\phi 0.25 \pm 10$	≤ 23.0	≥ 37.0	0.10
WCAR0530V-05015	1-2	$\phi 0.10 \pm 60$	≤ 5.0	≥ 15.0	0.04
WCAR0530V-12090	1-2	$\phi 0.25 \pm 70$	≤ 12.0	≥ 90.0	0.10
WCAR0530V-10021	1-2	$\phi 0.12 \pm 60$	≤ 10.0	≥ 21.0	0.03
WCAR0530V-39345	1-2	$\phi 0.55$	≤ 39.0	≥ 345.0	0.40
WCAR0530V-25180	1-2	$\phi 0.65$	≤ 25.0	≥ 180.0	0.16
WCAR0530V-40250	1-2	$\phi 0.65$	≤ 40.0	≥ 250.0	0.18
WCAR0530V-12090	1-2	$\phi 0.7$	≤ 12.0	≥ 90.0	0.10
WCAR0530V-09072	1-2	$\phi 0.75$	≤ 9.0	≥ 72.0	0.09
WCAR0530V-12090	1-2	$\phi 0.25 \pm 7$	≤ 12.0	≥ 90.0	0.10
WCAR0530V-60250	1-2	$\phi 0.25 \pm 7$	≤ 60.0	≥ 250.0	0.20
WCAR0530V-90250	1-2	$\phi 0.25 \pm 10$	≤ 90.0	≥ 250.0	0.50
WCAR0530V-60180	1-2	$\phi 0.25 \pm 10$	≤ 60.0	≥ 180.0	0.30

LC Type EMI Suppression Filters

Features

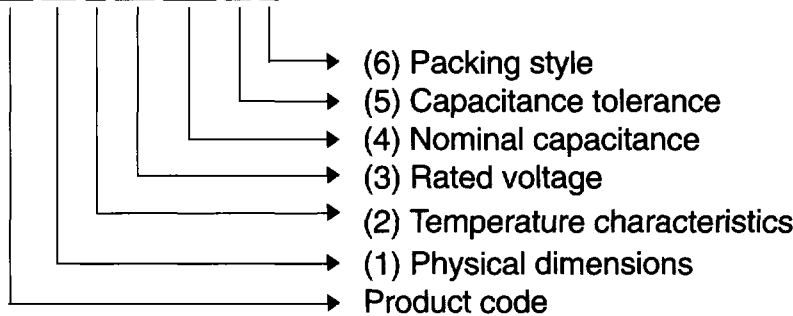
- The noise-rejection band can be regulated by selecting the capacitor capacitance as required.
- These filters serve as an excellent countermeasure against noise since they provide high attenuation over a wide band of frequency from 10 to 1000 MHz.
- Epoxy powder exteriors provide solid strength and stable lead pitches to assure optimum suitability for automatic inserting operations.
- Compact size allows high density PCB mounting for 2.5mm steps.
- A design patented article.

Applications

- Computers and peripheral equipment, word processors, facsimiles.
- Digital controlled equipment and electronic typewriter, program controllers.
- Automotive engine control units, car electronics.
- TVs, VCRs, electronics music instruments, video games, etc.

Classification

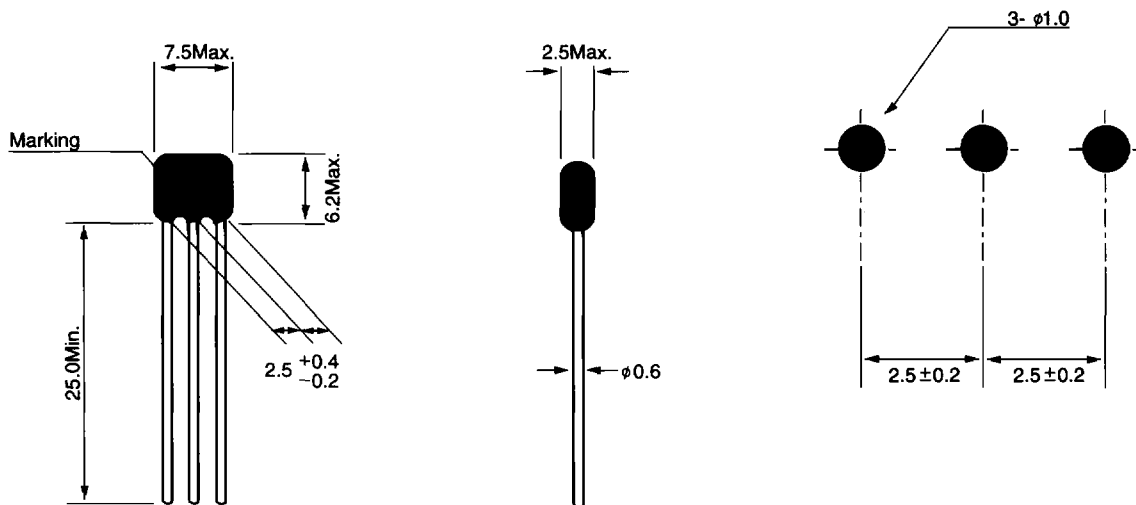
CFI 06 B 1H 222 M F



Standard Types

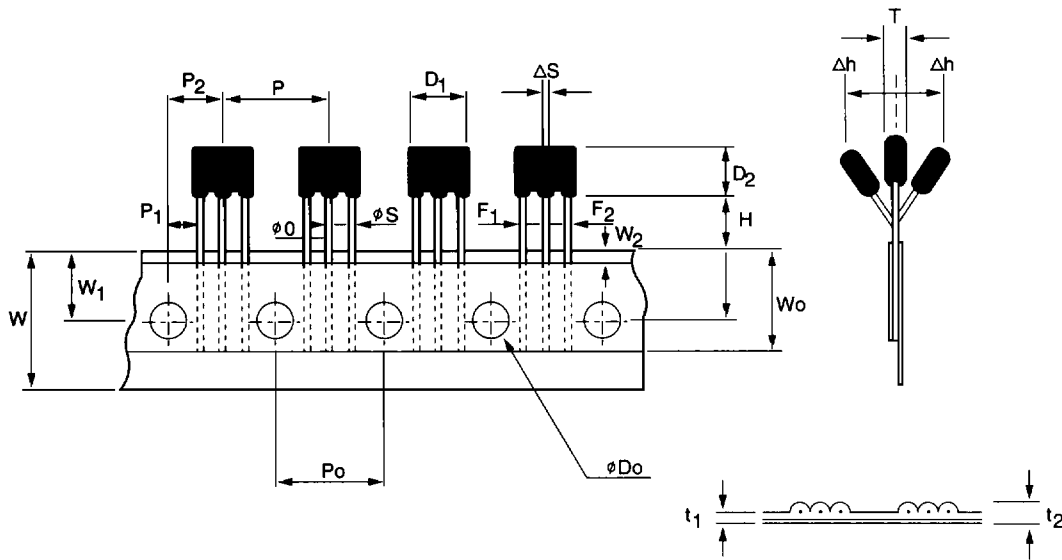
(unit : mm)

(1) Physical Dimensions



Mounting Holes Dimension

● Physical Dimensions



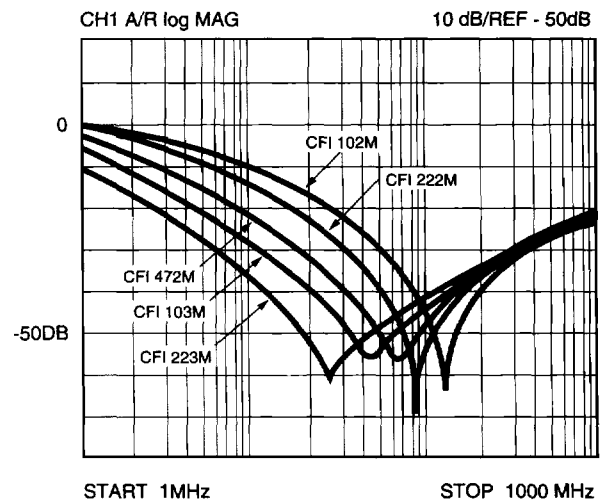
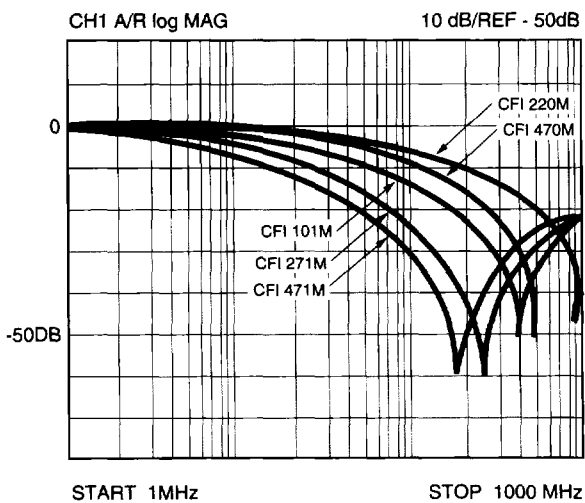
	Code	Dimensions(mm)
Component Width	D_1	7.5 Max
Component Height	D_2	6.2 Max
Component Thickness	T	2.5 Max
Pitch of Component	P	12.7 ± 1.0
Pitch of Sprocket Hole	P_0	12.7 ± 0.2
Length from Hole Center to Lead	P_1	3.85 ± 0.7
Length from Hole Center to Component Center	P_2	6.35 ± 1.3
Lead Spacing	$F_{1,2}$	$2.5 \pm_{0.1}^{0.4}$
Deviation along Tape, Left or Right	ΔS	0 ± 1.0
Deviation across Tape	Δh	0 ± 1.0
Carrier Tape Width	W	18.0 ± 0.5
Hold Down Tape Width	W_0	5.0 Min
Position of Sprocket Hole	W_1	9.0 ± 5.0
Hold Down Tape Position	W_2	1.5 ± 1.5
Height of Component from Hole Center	H	$18.0 \pm^2_0$
Diameter of Sprocket Hole	D_b	4.0 ± 0.2
Total Tape Thickness	t_1	0.5 ± 0.2
Total Thickness of Tape and Lead Wire	t_2	1.5 Max
Lead Diameter	O	0.6 ± 0.05
	S	0.5 ± 0.05

● Specifications

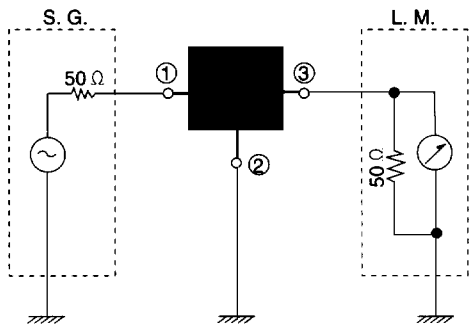
CFI O6B 1H 220*	22	K, M	500 - 800	700 - 800
CFI O6B 1H 330*	33		400 - 800	650 - 800
CFI O6B 1H 470*	47		350 - 800	550 - 700
CFI O6B 1H 680*	68		250 - 800	450 - 600
CFI O6B 1H 101*	100		200 - 800	350 - 500
CFI O6B 1H 221*	220		100 - 800	200 - 350
CFI O6B 1H 271*	270		80 - 800	200 - 300
CFI O6B 1H 331*	330		70 - 800	150 - 300
CFI O6B 1H 471*	470		50 - 800	120 - 300
CFI O6B 1H 102M	1000	M	30 - 800	70 - 200
CFI O6B 1H 222M	2200		20 - 800	45 - 200
CFI O6B 1H 332M	3300		15 - 800	35 - 200
CFI O6B 1H 472M	4700		10 - 800	25 - 200
CFI O6B 1H 682M	6800		8 - 800	20 - 200
CFI O6B 1H 103M	10000		6 - 800	15 - 200
CFI O6B 1H 223M	22000		4 - 800	9 - 200
CFI O6B 1F 333*	33000	M, Z	3 - 800	7 - 200
CFI O6B 1F 473*	47000		2 - 800	5 - 200
CFI O6B 1F 104*	100000		1 - 800	3 - 200

* Capacitance tolerance.

● Typical Insertion Loss Characteristics

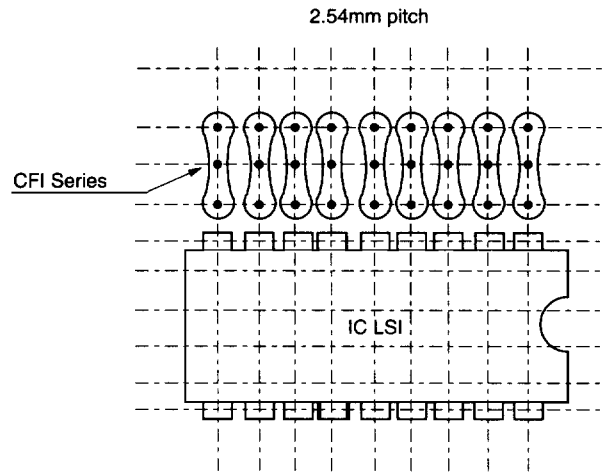


● Measuring Circuit



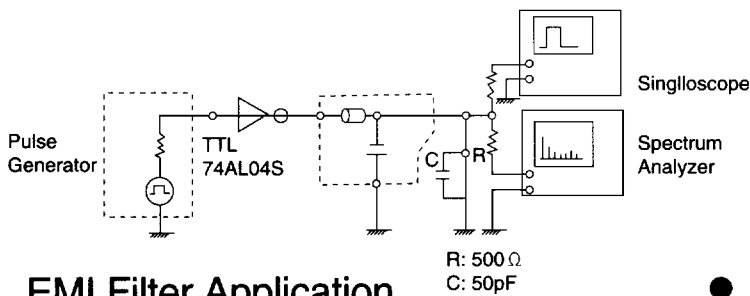
$$\text{Insertion Loss} = 20 \log 10 \frac{E_2}{E_1} \text{ (dB)}$$

● High density PCB Mounting

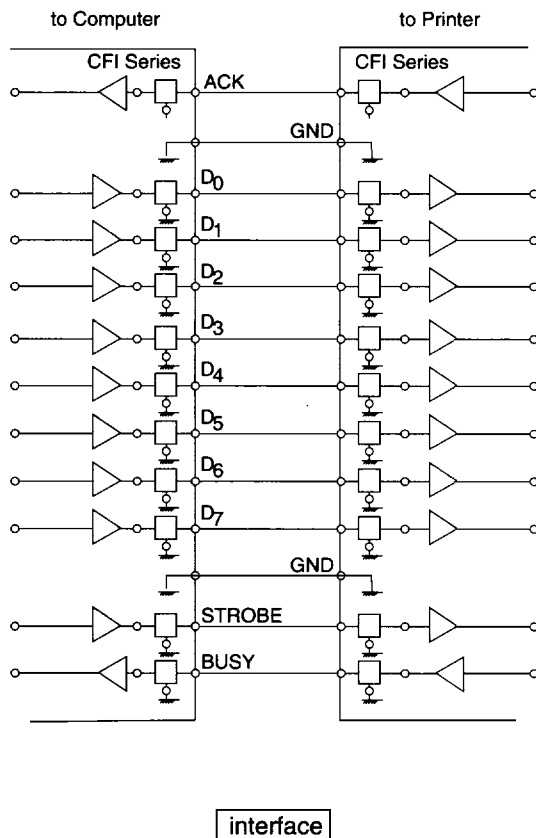


● Measurement Effect Model of Noise Suppression

Measuring circuit CFI221



● EMI Filter Application



● Spectrum Wave

