

CoilMaster



P r o d u c t s G u i d e



Magnetic P r o d u c t s



Acoustic P r o d u c t s



About Us

CoilMaster Co., Ltd. is the future direction company with forward concept and practice which requested digital generation in Electronic Components industry.

Since established on 1996, to get "The Great Partner in EMC solutions", we keep have done our best effort and anguish to solve only focus on EMC problem with our customers in the R&D design step also with introducing business line in Japan and Taiwan.

Specially, CoilMaster Co., Ltd have been believed from our customer, which shared the data with customers which was about the Ferrite Chip Bead & Inductor, EMI Filter, ESD Guard, Power Inductor, requested in telecommunication industry nowadays. Also, the one of our great support into our customer was e-letter. This innovative customer service system provided to our customer with exact and special technical data by e-mail or web site.

Also, we established our own factory on year 2002 named Weadng CoilMaster in Shandong China based on customer's experience and vision which can not compare with any of treasures. This factory is specialized on "Power Inductor" and "Filter", and acoustic products such as micro speaker and dynamic receiver, so it is more benefit for us and also to our customer to support more various technical develop and develop manufacture. Therefore, CoilMaster Co., Ltd can be the one with our customer to develop our design and application service.

21st Century requested more something new and also 21st Century predict new electric products which based on exact technical service and fluent service requested in Digital world. To achieve this requests, CoilMaster Co., Ltd will keep do our best to create new products and develop comparative products following century request.

CoilMaster Co., Ltd with prescience which can see foresight with organization pride which has voluntary and family relation will be the representative company which will be made by customer requested as 21st Digital Century World.

President of CoilMaster Thomas Cha



History

March	1996	CoilMaster Co.,Ltd was founded.
June	2002	Established CoilMaster Building.
August	2002	Established CoilMaster Wendeng Factory in China.
February	2003	Established CoilMaster Hong Kong Sales Office.
July	2003	Certified ISO 9001 : 2000 (SGS-ICS).
December	2003	Established Acousteq CoilMaster, a division of CoilMaster Corporation.
April	2004	Established a Research Center, CIET (CoilMaster Institute of Electronics Technology).
July	2004	Certified ISO 14001 : 1996(KOREA-ISC).
October	2004	Established CoilMaster Daejeon Factory in Korea.
November	2004	Established CoilMaster China Sales Office.
December	2004	Certified Eco-Partner by Samsung (EPC-0049).
December	2004	Certified high technology by SMBA.



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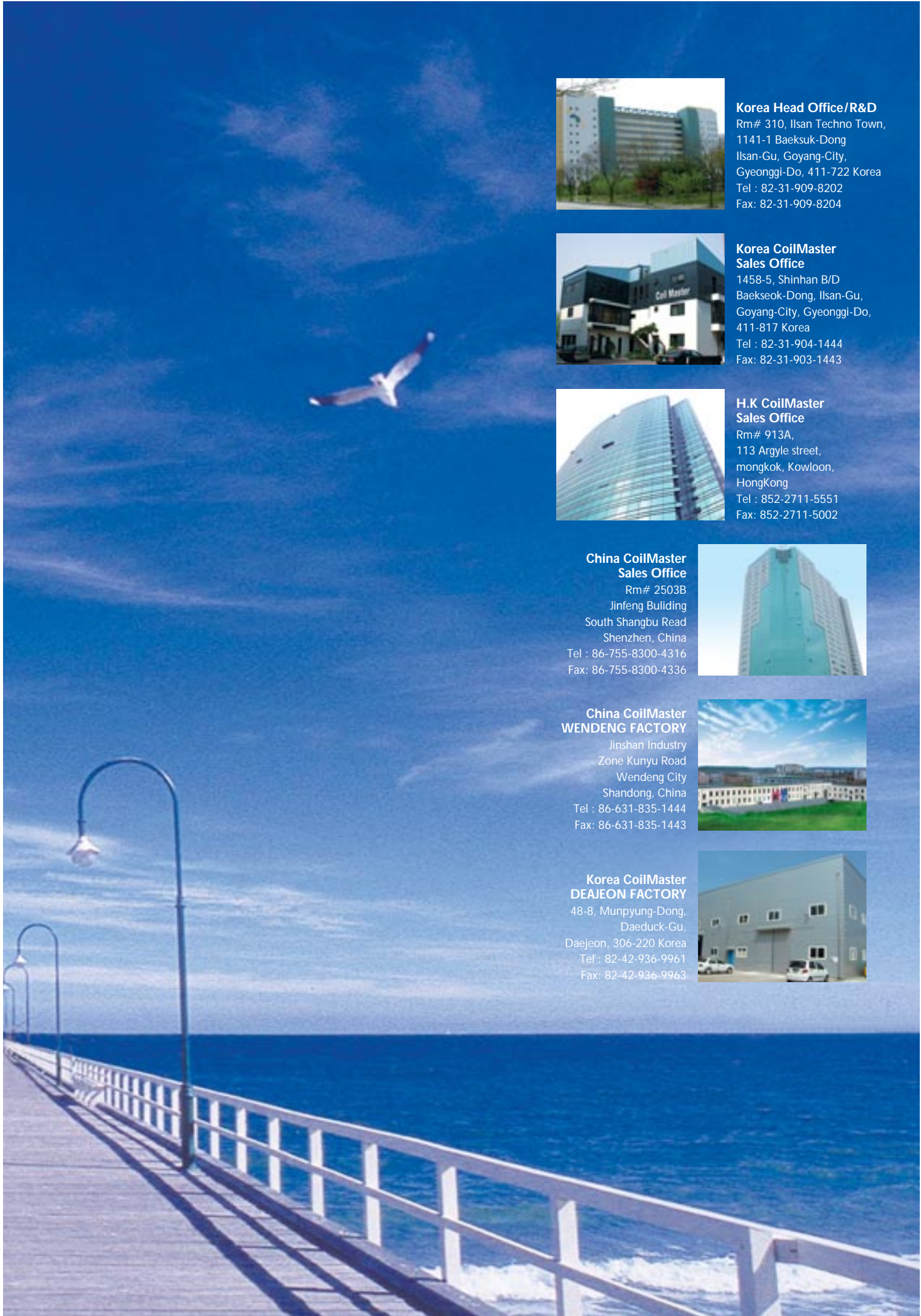
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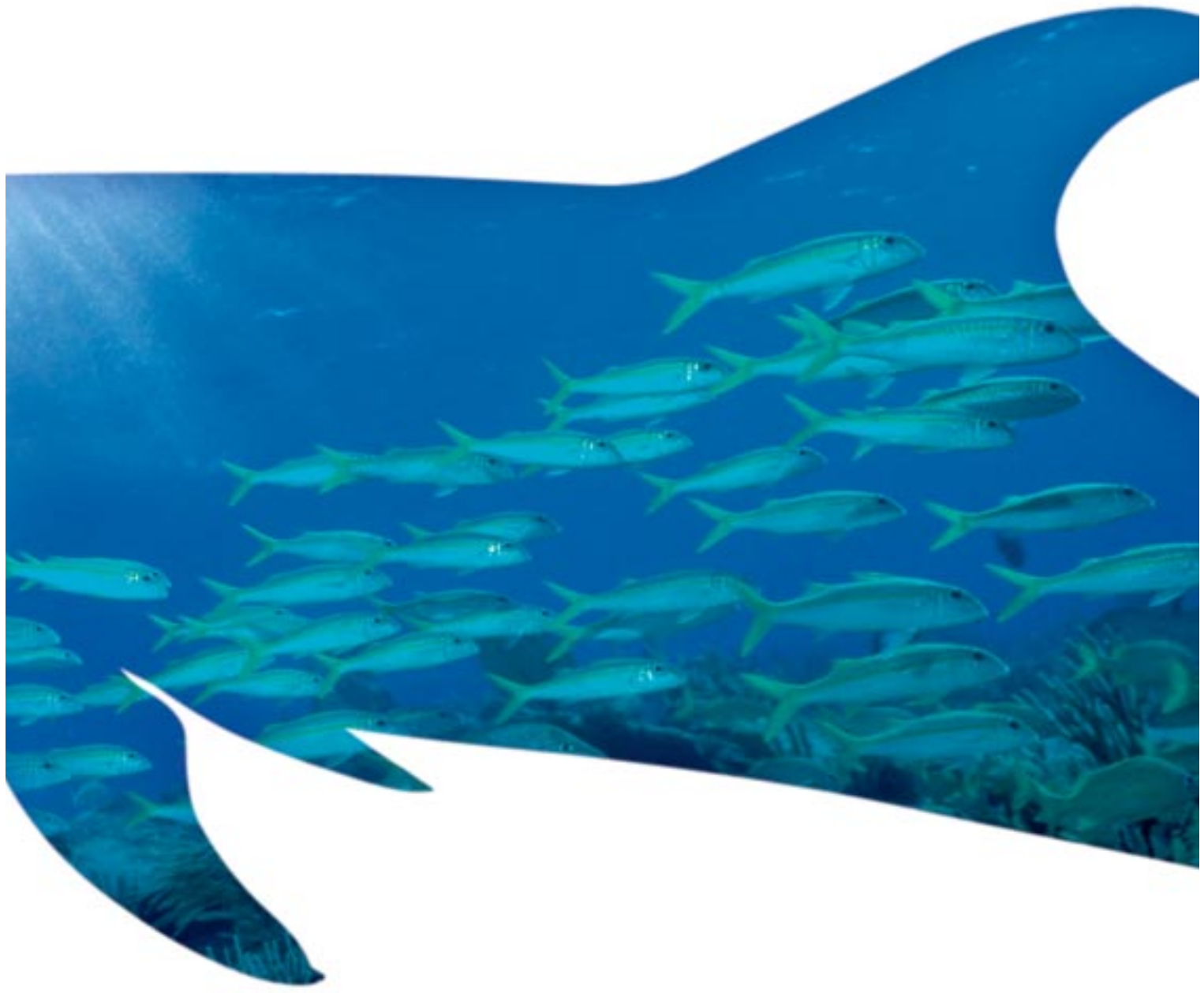








Magnetic

D i v i s i o n







Contents

SMD Power Inductors

Type	Fig	Part Name	Dimensions (mm)	Inductance Range									Rated Current(A)	Page	
				1nH	10nH	0.1μH	1μH	10μH	100μH	1mH	10mH	100mH			
Perfect Shielded (High Current)		CMI-PSP6H	7.5 x 6.8 x 3.0											17 ~ 11	8
		CMI-PSP10L	11.7 x 10.5 x 5.0				0.47	6.8						24 ~ 15	8
		CMI-PSP13H	13.9 x 13.0 x 4.0											30 ~ 24	8
		CMI-HSW13L44F	13.2 x 12.9 x 4.4											42 ~ 35	9
		CMI-HSW13L53F	13.2 x 12.9 x 5.3				0.3	1.5							9
Shielded (Back light)		CMI-SC6L22F	6.4 x 4.4 x 2.2							100	4700			0.22 ~ 0.03	9
		CMI-SC6L29F	6.4 x 4.4 x 2.9						22	47				0.5 ~ 0.16	9
Shielded (DC-DC converter)		CMI-RPO3L12F-A/B/C	3.0 x 3.0 x 1.1				1.5	22						0.9 ~ 0.2	10
		CMI-RPO3L16F-A/B/C	3.0 x 3.0 x 1.6				1.5	22						1.8 ~ 0.33	10
		CMI-RPO3H18F-A/B/C	3.8 x 3.8 x 1.8				3.3	22						1.0 ~ 0.28	10
Shielded (Digital Amp)		CMI-SCB13L19F	13.2 x 18.5				4.7	100						12.5 ~ 2.7	11
		CMI-RTW20H20F	20.7 x 20.0				7	22						9.0 ~ 6.0	11
Shielded		CMI-RS3H18F	3.8 x 3.8 x 1.85				4.7	4700						0.9 ~ 0.03	12
Shielded		CMI-SSS5L15F	5.0 x 5.0 x 1.5				3.3	100						1.8 ~ 0.2	12
Unshielded		CMI-DSS3L17F	3.2 x 2.5 x 1.7				4.7	47						0.65 ~ 0.17	13
Shielded		CMI-DH4L12F	4.1 x 5.3 x 1.2				2.2	150						1.0 ~ 0.13	13
Shielded		CMI-RPO3L20F-A/B/C	3.0 x 3.0 x 2.0				1.2	180						2.20 ~ 0.11	14
		CMI-RPO4L20F-A/B	4.0 x 4.0 x 2.0				1.5	56						2.0 ~ 0.22	14
		CMI-RPO4L30F-A/B/C	4.0 x 4.0 x 3.0				1.5	150						2.3 ~ 0.19	14
		CMI-RPO5L18F	5.0 x 5.0 x 1.8				1.8	39						1.4 ~ 0.35	14
		CMI-RPO5L20F-A/B	5.0 x 5.0 x 2.0				1.8	100						2.0 ~ 0.19	14
		CMI-RPO5L30F-A/B	5.0 x 5.0 x 3.0				1.0	150						2.1 ~ 0.16	14
		CMI-RPO6L20F-A/B	6.0 x 6.0 x 2.0				1.2	120						3.1 ~ 0.25	14
		CMI-RPO6L30F-A/B	6.0 x 6.0 x 3.0				1.2	470						3.6 ~ 0.17	14
Shielded		CMI-RP4H20F	4.8 x 4.8 x 2.0				4.7	47						0.9 ~ 0.3	16
		CMI-RP4H30F	4.8 x 4.8 x 3.0				2.2	100						2.04 ~ 0.29	16
		CMI-RP5H20F	5.8 x 5.8 x 2.0				4.7	33						1.8 ~ 0.7	16
		CMI-RP5H30F	5.8 x 5.8 x 3.0				2.6	100						2.60 ~ 0.42	16
Unshielded		CMI-DP3H15F	3.8 x 3.8 x 1.5				6.8	33						0.62 ~ 0.25	17
		CMI-DP6L12F	6.2 x 7.8 x 1.2				1.5	47						2.5 ~ 0.46	17
		CMI-DP6H13F	6.6 x 5.7 x 1.25				4.7	47						1.10 ~ 0.35	17

Type	Fig	Part Name	Dimensions (mm)	Inductance Range									Rated Current(A)	Page					
				1nH	10nH	0.1μH	1μH	10μH	100μH	1mH	10mH	100mH							
Shielded		CMI-DHC6L11F	6.5 x 5.4 x 1.1					1.2								33	2.1 ~ 0.40	18	
Shielded		CMI-RBP6L28F	6.3 x 4.2 x 2.8					2.2								220	1.49 ~ 0.15	19	
Shielded		CMI-SRP10L50F	10.3 x 10.3 x 5.0					2.0								22	12.0 ~ 5.8	19	
Shielded		CMI-SPC6L28F	6.0 x 6.0 x 2.8					1.0								220	2.7 ~ 0.26	20	
Shielded (DC-DC Transformer)		CMD-16P6L27F	6.45 x 5.7 x 2.55															21	
		CMD-16P6L30F	6.45 x 5.7 x 3.0																21
		CMD-16P6L40F	6.45 x 5.7 x 4.0																21
Shielded		CMI-RPC10L40F	10.0 x 10.1 x 4.0					1.5								220	4.0 ~ 0.65	21	
Shielded		CMI-SSP7L45F	7.2 x 7.2 x 4.5					10								100	1.84 ~ 0.6	22	
		CMI-SSP12L50F	12.0 x 12.0 x 5.0					3.3									330	6.5 ~ 0.50	22
		CMI-SSP12L60F	12.0 x 12.0 x 6.0					1.5									1000	8.0 ~ 0.40	22
		CMI-SSP12L80F	12.0 x 12.0 x 8.0					1.2									1000	9.80 ~ 0.55	22
Unshielded		CMI-DS3L13F	3.5 x 3.0 x 1.3					2.2								47	1.2 ~ 0.3	23	
		CMI-DS3L24F	3.5 x 3.0 x 2.4					1.0									470	1.5 ~ 0.09	23
		CMI-DS4L35F	4.5 x 4.0 x 3.5					1.0									560	4.0 ~ 0.10	23
		CMI-DS5H23F	5.8 x 5.2 x 2.3					1.0									120	1.5 ~ 0.20	23
		CMI-DS5H48F	5.8 x 5.2 x 4.8					1.0									680	3.5 ~ 0.16	23
Shielded		CMI-DBP12H30F	12.7 x 9.5 x 3.0					10								1000	2.4 ~ 0.1	24	
		CMI-DBP12H53F	12.7 x 9.5 x 5.3					1.0									1000	9.0 ~ 0.3	24
		CMI-DBP12H100F	12.7 x 9.5 x 10.0					10									1000	7.0 ~ 0.7	24
		CMI-DBP18L70F	18.0 x 15.0 x 7.0					1.0									1000	20.0 ~ 1.0	24

Common Mode Filters

Type	Fig	Part Name	Dimensions (mm)	Impedance Range(Ω)									Rated Current(mA)	Page					
				100	200	300	400	500	600	700	800	900							
Common Mode Choke (mini SMD)		CMF-4S2012F	2.0 x 1.2 x 1.2														90 ~ 220	200 ~ 400	25
		CMF-4S3216F	3.2 x 1.6 x 2.0															90 ~ 220	200 ~ 400
Common Mode Choke (16pin type)		CMF-16P5L25F	5.0 x 5.0 x 2.5														90 ~ 650	200 ~ 400	25
		CMF-16P6L30F	6.4 x 5.8 x 3.0															90 ~ 650	200 ~ 400
Common Mode Choke (8pin type)		CMF-8P4L25F	4.0 x 3.5 x 2.5														90 ~ 650	200 ~ 400	26
		CMF-8P6L30F	6.4 x 5.8 x 3.0															90 ~ 650	200 ~ 400
Common Mode Choke (Molded)		CMF-PS5H38F	5.9 x 5.1 x 3.8														90 ~ 650	200 ~ 400	26

UPGRADE

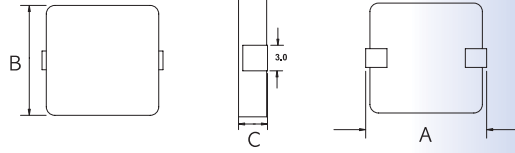
High Current Power Inductor

CMI-PSP Series

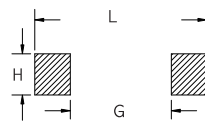
Perfect Shielded (CPU Choke)



Dimensions



Land Pattern



Size(mm)	A×B×C	L	G	H
CMI-PSP6H	7.5±0.3 × 6.5±0.2 × 3.0max	8.5	5.0	4.0
CMI-PSP10L	11.5±0.2 × 10.5±0.2 × 4.0max	13.5	4.0	4.5
CMI-PSP13H	13.9±0.3 × 13.0±0.2 × 3.5max	16.0	7.0	3.3

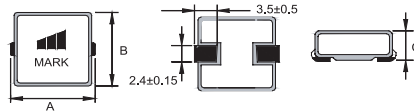
Inductance (μH)	CMI-PSP6H				CMI-PSP10L			CMI-PSP13H		
	DCR (mΩ) max	I sat (A) max	Rated Current(A)		DCR (mΩ) max	I sat (A) max	Rated Current(A)	DCR (mΩ) max	I sat (A) max	Rated Current(A)
R10N	0.1	1.7	32.5	60				1.0	43	84
R15N	0.15	2.5	26	52				1.2	41	75
R19N	0.19				0.5	44	44			
R20N	0.2	3	24	41						
R22N	0.22	2.8	23	40				1.3	38.5	65
R24N	0.24				0.7	38	38			
R33N	0.33	3.9	20	30				1.5	36.5	62
R36N	0.36				0.9	35	35			
R47N	0.47	4.2	17.5	26	1.1	32	32	2	32	55
R56N	0.56				1.2	30	30			
R60N	0.6							2.2	29	51
R68N	0.68	5.5	15.5	25				2.5	28	49
R78N	0.78				1.6	25	25			
R82N	0.82	8	13	24				3	25	44
1R0M	1.0	10	11	22	3	21	21	3.5	24	40
1R5M	1.5	15	9	18				5.5	19	35
1R8M	1.8				5	15	15	7	16.5	30
2R0M	2				6	14	14			
2R2M	2.2	20	8	14				8	16	29
3R3M	3.3	30	6	13.5				12	12	27
4R7M	4.7	40	5.5	10				15	10	24
5R6M	5.6							18	9.5	19
6R8M	6.8	60	4.5	8				22	9	18
8R2M	8.2	68	4	7.5				28	8.5	16
100M	10	105	3	7				34	7	14

CMI-HSW Series

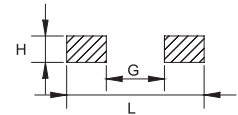
Perfect Shielded (High Current)



Dimensions



Land Pattern



Applications : Low profile, High current, DC-DC converter, Notebook, Desktop, etc.

Size(mm)	A x B x C	L	G	H
CMI-HSW13L44F	13.2±0.2 x 12.9±0.2 x 4.4max	14.5	5.5	3.0
CMI-HSW13L53F	13.2±0.2 x 12.9±0.2 x 5.3max	15.5	6.5	3.0

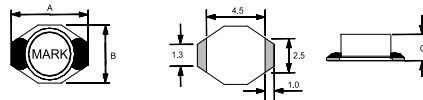
Inductance (μH)		CMI-HSW13L44F		CMI-HSW13L53F	
		DCR (mΩ) max	I sat (A) max	DCR (mΩ) max	I sat (A)
R30N	0.3	1.5	42.0		
R50N	0.5	2.0	40.0		
1R0N	1.0	3.5	35.0		
1R5N	1.5			5.0	35.0

CMI-SC Series

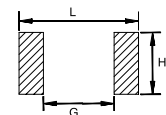
Shielded(Back light)



Dimensions



Land Pattern



Applications : DC-DC Converter, MP3,PDA,Mobile Set. Etc.

Size(mm)	A x B x C	L	G	H
CMI-SC6L22F	6.4±0.2 x 4.4±0.2 x 2.2Max	6.86	4.06	3.56
CMI-SC6L29F	6.4±0.2 x 4.4±0.2 x 2.9Max	6.86	4.06	3.56

Inductance (μH,mH)		CMI-SC6L22F		CMI-SC6L29F	
		DCR (mΩ) max	I sat (A) max	DCR (mΩ) max	I sat (A)
220M	22 uH			110	0.5
470M	47 uH			160	0.16
101M	100 uH	0.95	0.220		
151M	150 uH	1.4	0.200		
221M	220 uH	1.7	0.180		
331M	330 uH	2.2	0.160		
471M	470 uH	3.8	0.140		
681M	680 uH	4.9	0.120		
102M	1.0 mH	9	0.090		
152M	1.5 mH	13	0.070		
222M	2.2 mH	19	0.040		
322M	3.2 mH	24	0.035		
472M	4.7 mH	37	0.030		

SMD Power Inductors

NEW

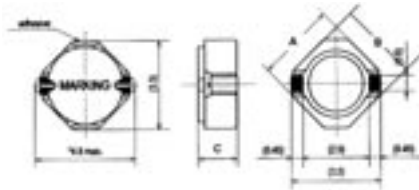
DC-DC Converter

CMI-RPO Series

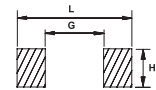
Shielded



Dimensions



Land Pattern



A: LOW D.C. Resistance.
B: Powered D.C. Current.
C: Regular

Applications : Ideal use in variety of DC-DC converter inductor applicarions. Mobile Phone,DSC,DVC,PDA, LCD pannel,Mobile Set. Etc.

Size(mm)	A x B x C	L	G	H
CMI-RPO3L12F-A/B/C	3.0±0.2 x 3.0±0.2 x 1.1±0.2	4.1	2.1	1.0
CMI-RPO3L16F-A/B/C	3.0±0.2 x 3.0±0.2 x 1.6max	4.1	2.1	1.0
CMI-RPO3H18F-A/B/C	3.8±0.3 x 3.8±0.3 x 1.8max	5.1	2.9	1.4

Inductance (μH)		CMI-RPO3L12F						CMI-RPO3L16F					
		A		B		C		A		B		C	
		DCR (Ω)±30%	I sat(A)	DCR (Ω)±30%	I sat(A)	DCR (Ω)max.	I sat(A)	DCR (Ω)±30%	I sat(A)	DCR (Ω)±30%	I sat(A)	DCR (Ω)max.	I sat(A)
1R5N	1.5	0.044	0.90			0.068	0.90	0.038	1.2	0.058	1.6	0.063	1.80
1R8N	1.8	0.048	0.84									0.075	1.65
2R2N	2.2	0.065	0.78			0.098	0.78					0.094	1.50
2R7N	2.7	0.08	0.70	0.13	1.10			0.071	0.8	0.091	1.2	0.106	1.35
3R3N	3.3					0.123	0.60	0.078	0.75	0.11	1.1	0.125	1.20
3R9N	3.9	0.11	0.55					0.094	0.7	0.13	1	0.138	1.10
4R7N	4.7	0.12	0.50	0.21	0.83	0.170	0.50	0.1	0.65	0.16	0.95	0.169	1.00
5R6N	5.6	0.16	0.48	0.27	0.74			0.14	0.62	0.19	0.85	0.188	0.95
6R8N	6.8	0.18	0.40	0.30	0.70	0.260	0.44	0.15	0.58	0.24	0.8	0.213	0.85
8R2N	8.2	0.25	0.35	0.34	0.63			0.2	0.54	0.28	0.75	0.281	0.80
100M	10	0.26	0.32	0.48	0.54	0.400	0.35	0.23	0.49	0.36	0.65	0.294	0.70
120M	12	0.30	0.30	0.53	0.49			0.31	0.44	0.4	0.58	0.394	0.62
150M	15	0.48	0.25	0.84	0.45			0.36	0.40	0.57	0.50		
180M	18	0.55	0.22	0.89	0.40			0.44	0.36	0.62	0.47		
220M	22	0.65	0.20	0.99	0.35			0.50	0.33	0.60	0.44		

Inductance (μH)		CMI-RPO3H18F					
		A		B		C	
		DCR (Ω)±30%	I sat(A)	DCR (Ω)±30%	I sat(A)	DCR (Ω)max	I sat(A)
3R3N	3.3					0.660	0.80
3R9N	3.9					0.810	0.75
4R7N	4.7	0.063	0.68	0.09	1.00	0.910	0.68
5R6N	5.6	0.072	0.60	0.10	0.95	0.102	0.62
6R8N	6.8	0.085	0.55	0.11	0.90	0.130	0.58
8R2N	8.2	0.110	0.50	0.13	0.80	0.140	0.51
100M	10	0.134	0.46	0.16	0.70	0.190	0.46
120M	12	0.155	0.42	0.20	0.65	0.205	0.42
150M	15	0.186	0.38	0.25	0.60	0.272	0.38
180M	18	0.233	0.32	0.28	0.54	0.327	0.34
220M	22	0.257	0.28	0.37	0.50	0.356	0.31

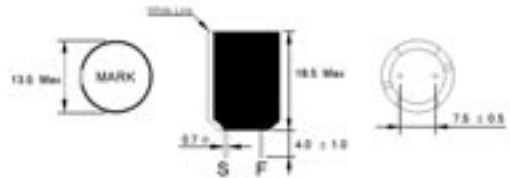
CMI-SCB Series

Shielded (Digital Amp)



Applications : Power inductor for Digital Amp of HomeTheater System

Dimensions



Size(mm)	A x C
CMI-SCB13L19F	13.2±0.3 x 18.5max

Inductance (μH)		CMI-SCB13L19F	
		DCR (Ω) max	I sat(A)
4R7N	4.7	0.03	12.5
100M	10	0.05	8.0
150M	15	0.06	6.5
220M	22	0.10	5.5
330M	33	0.12	4.0
101M	100	0.22	2.7

NEW

Power Inductor for Digital Amp

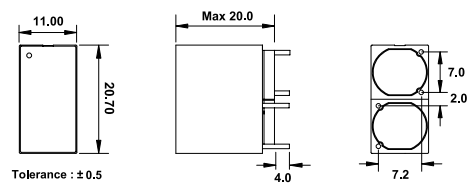
CMI-RTW Series

Shielded (2 in 1 type)



Applications : Power inductor for Digital Amp of HomeTheater System

Dimensions



Size(mm)	A x C
CMI-RTW20H20F	20.7±0.5 x 20.0max

Inductance (μH)		CMI-RTW20H20F	
		DCR (Ω) max	I sat(A)
7R0N	7	0.01	9.0
100M	10	0.015	8.5
150M	15	0.017	7.0
220M	22	0.027	6.0

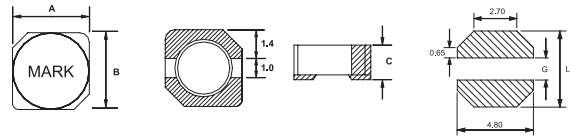
SMD Power Inductors

CMI-RS Series

Shielded



Dimensions



Land Pattern

Size(mm)	A x B x C	L	G
CMI-RS3H18F	3.8±0.2 x 3.8±0.2 x 1.85max	4.8	1.4

Applications : Ideal use in variety of DC-DC converter inductor applications. Notebook, Hard disk, Mobile Set. Etc.

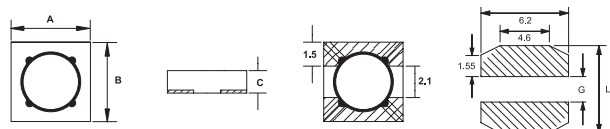
Inductance (μH)		CMI-RS3H18F	
		DCR (Ω) max	I sat(A)
4R7N	4.7	0.108	0.90
6R8N	6.8	0.140	0.70
100M	10	0.180	0.69
220M	22	0.456	0.43
330M	33	0.650	0.35
101M	100	2.0	0.20
102M	1000	15.0	0.05
332M	3300	50.0	0.04
472M	4700	70.0	0.03

CMI-SSS Series

Shielded



Dimensions



Land Pattern

Size(mm)	A x B x C	L	G
CMI-SSS5L15F	5.0±0.3 x 5.0±0.3 x 1.5max	6.2	1.5

Applications : Ideal use in variety of DC-DC converter inductor applications. Mobile Phone, PDA, Notebook, MP3, LCD monitors

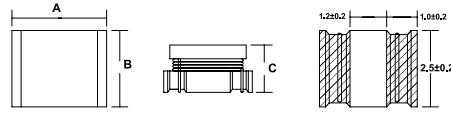
Inductance (μH)		CMI-SSS5L15F	
		DCR (Ω) max	I sat(A)
3R3N	3.3	0.130	1.8
4R7N	4.7	0.170	1.5
6R8N	6.8	0.22	1.3
100M	10	0.25	1.1
150M	15	0.32	0.9
180M	18	0.38	0.7
220M	22	0.456	0.5
330M	33	0.65	0.4
680M	68	1.00	0.3
101M	100	3.00	0.2

CMI-DSS Series

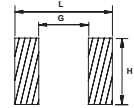
Unshielded



Dimensions



Land Pattern



Applications : Ideal use in variety of DC-DC converter inductor applicarions.
Mobile Phone,PDA,Notebook, MP3,LCD monitors

Size(mm)	A x B x C	L	G	H
CMI-DSS3L17F	3.2±0.3 x 2.5±0.2 x 1.7max	3.6	1.0	3.0

Inductance (μH)		CMI-DSS3L17F Series	
		DCR (Ω) max	I sat(A)
4R7N	4.7	0.195	0.65
100M	10	0.390	0.45
470M	47	1.690	0.17

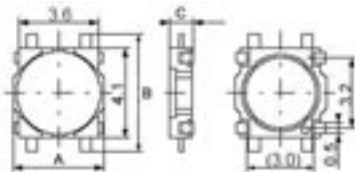
CMI-DH Series

Shielded

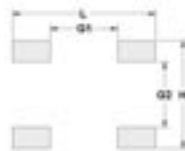


Size(mm)	A x B x C	L	G1	G2	H
CMI-DH4L12F	4.1±0.2 x 5.3±0.2 x 1.2max	5.3	2.5	2.4	4.0

Dimensions



Land Pattern



Applications : Ideal use in variety of DC-DC converter inductor applicarions.
Mobile Phone,PDA,Notebook,MP3,LCD monitors

Inductance (μH)		DCR (Ω) ±30%	I sat(A)
2R2N	2.2	0.087	1
3R3N	3.3	0.12	0.8
4R7N	4.7	0.15	0.75
5R6N	5.6	0.17	0.65
6R8N	6.8	0.2	0.62
8R2N	8.2	0.24	0.54
100M	10	0.32	0.5
120M	12	0.38	0.45
150M	15	0.47	0.4
180M	18	0.56	0.35
220M	22	0.69	0.3
270M	27	0.81	0.27
330M	33	1.05	0.25
390M	39	1.2	0.22
470M	47	1.35	0.2
560M	56	1.5	0.19
680M	68	2	0.18
101M	100	3.3	0.16
121M	120	3.7	0.15
151M	150	4.6	0.13

SMD Power Inductors

NEW

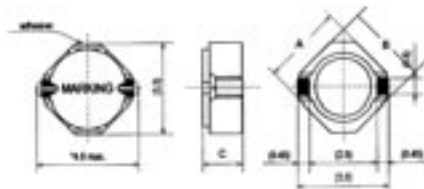
DC-DC Converter

CMI-RPO Series

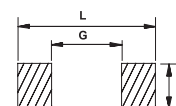
Shielded



Dimensions



Land Pattern



A: LOW D.C.Resistance.
B: Powered D.C.Current.
C: Regular

Applications : Ideal use in variety of DC-DC converter inductor applications. Mobile Phone,DSC,DVC, PDA, LCD pannel,Mobile Set. Etc.

Size(mm)	A x B x C	L	G	H
CMI-RPO3L20F-A/B/C	3.0±0.2 x 3.0±0.2 x 2.0max	4.1	2.1	1.0
CMI-RPO4L20F-A/B	4.0±0.2 x 4.0±0.2 x 2.0max	5.1	2.9	1.4
CMI-RPO4L30F-A/B/C	4.0±0.2 x 4.0±0.2 x 3.0max	5.1	2.9	1.4
CMI-RPO5L18F	5.0±0.2 x 5.0±0.2 x 1.8max	6.2	3.8	1.5
CMI-RPO5L20F-A/B	5.0±0.2 x 5.0±0.2 x 2.0max	6.2	3.8	1.5
CMI-RPO5L30F-A/B	5.0±0.2 x 5.0±0.2 x 3.0max	6.2	3.8	1.5
CMI-RPO6L20F-A/B	6.0±0.2 x 6.0±0.2 x 2.0max	7.9	5.1	1.9
CMI-RPO6L30F-A/B	6.0±0.2 x 6.0±0.2 x 3.0max	7.9	5.1	1.9

■ CMI-RPO3L20F-A/B/C, CMI-RPO4L20F-A/B

Inductance (μH)		CMI-RPO3L20F						CMI-RPO4L20F			
		A		B		C		A		B	
		DCR (Ω)±30%	I sat(A)	DCR (Ω)±30%	I sat(A)	DCR (Ω)max.	I sat(A)	DCR (Ω)±30%	I sat(A)	DCR (Ω)±30%	I sat(A)
2R2N	2.2	0.028	1			0.041	0.85				
2R4N	2.4			0.051	1.8			0.026	1.00	0.032	1.60
3R3N	3.3					0.054	0.75				
3R6N	3.6	0.046	0.74	0.078	1.5			0.037	0.90	0.048	1.30
4R7N	4.7	0.059	0.65	0.1	1.2	0.078	0.63				
6R8N	6.8	0.091	0.58	0.14	1.05	0.106	0.52	0.072	0.65	0.092	0.93
100M	10	0.13	0.49	0.2	0.9	0.180	0.43	0.095	0.55	0.13	0.75
150M	15	0.19	0.4	0.31	0.65	0.220	0.35	0.15	0.44	0.22	0.60
220M	22	0.27	0.32	0.47	0.57	0.320	0.30	0.21	0.37	0.3	0.52
330M	33	0.39	0.28	0.7	0.46	0.460	0.24	0.34	0.30	0.46	0.43
470M	47	0.58	0.22	1.1	0.39	0.660	0.20	0.48	0.25		

■ CMI-RPO4L30F-A/B/C, CMI-RPO5L18F

Inductance (μH)		CMI-RPO4L30F						CMI-RPO5L18F	
		A		B		C			
		DCR (Ω) \pm 30%	I sat(A)	DCR (Ω) \pm 30%	I sat(A)	DCR (Ω)max.	I sat(A)		
3R3N	3.3					0.072	2.00	0.075	1.18
4R7N	4.7					0.088	1.65	0.100	1.1
6R8N	6.8	0.048	0.90	0.058	1.10	0.119	1.24	0.135	0.91
100M	10	0.072	0.75	0.10	1.00	0.145	1.05	0.190	0.7
150M	15	0.11	0.60	0.14	0.80	0.213	0.95	0.300	0.58
220M	22	0.15	0.50	0.20	0.65	0.335	0.76	0.41	0.45
330M	33	0.23	0.40	0.30	0.53	0.481	0.58	0.65	0.37

■ CMI-RPO5L20F-A/B, CMI-RPO5L30F-A/B

Inductance (μH)		CMI-RPO5L20F				CMI-RPO5L30F			
		A		B		A		B	
		DCR (Ω) \pm 30%	I sat(A)	DCR (Ω) \pm 30%	I sat(A)	DCR (Ω) \pm 30%	I sat(A)	DCR (Ω) \pm 30%	I sat(A)
3R3N	3.3	0.03	1.05	0.04	1.55				
3R9N	3.9	0.035	0.95	0.045	1.46	0.019	1.00		
4R7N	4.7	0.039	0.86	0.06	1.35	0.021	0.90		
6R8N	6.8	0.055	0.70	0.075	1.03	0.029	0.70		
8R2N	8.2	0.06	0.68	0.098	0.98				
100M	10	0.077	0.63	0.105	0.86	0.036	0.60	0.086	1.23
120M	12	0.09	0.54	0.12	0.81	0.047	0.55	0.119	1.10
150M	15	0.12	0.47	0.16	0.72	0.056	0.49	0.135	0.96
180M	18	0.14	0.44	0.19	0.68	0.067	0.43	0.15	0.87
220M	22	0.17	0.40	0.21	0.60	0.081	0.40	0.164	0.80
270M	27	0.21	0.37	0.31	0.55	0.101	0.36	0.189	0.74
330M	33	0.24	0.33	0.34	0.48	0.129	0.32	0.257	0.70
390M	39	0.33	0.31	0.45	0.45	0.139	0.29	0.31	0.65
470M	47	0.39	0.27	0.5	0.41	0.185	0.26	0.392	0.59
560M	56	0.42	0.24	0.63	0.38	0.208	0.24	0.431	0.55
680M	68	0.54	0.22	0.75	0.34	0.242	0.22	0.632	0.46
820M	82	0.61	0.20	0.84	0.31	0.312	0.20	0.696	0.43
101M	100	0.78	0.19	0.9	0.27	0.361	0.19	0.793	0.41

■ CMI-RPO6L20F-A/B, CMI-RPO6L30F-A/B

Inductance (μH)		CMI-RPO6L20F				CMI-RPO6L30F			
		A		B		A		B	
		DCR (Ω) \pm 30%	I sat(A)	DCR (Ω) \pm 30%	I sat(A)	DCR (Ω) \pm 30%	I sat(A)	DCR (Ω) \pm 30%	I sat(A)
3R3N	3.3	0.027	1.50	0.037	2.00	0.016	2.10	0.022	2.60
8R2N	8.2	0.064	1.00	0.085	1.30	0.039	1.40	0.048	1.60
100M	10	0.092	0.90	0.12	1.10	0.041	1.30	0.058	1.40
120M	12	0.1	0.80	0.13	1.00	0.05	1.20	0.069	1.30
150M	15	0.13	0.70	0.17	0.90	0.067	1.00	0.086	1.20
180M	18	0.15	0.60	0.19	0.85	0.082	0.94	0.099	1.10
220M	22	0.19	0.55	0.23	0.75	0.091	0.85	0.12	1.00
270M	27	0.22	0.50	0.27	0.65	0.11	0.80	0.14	0.90
330M	33	0.26	0.45	0.38	0.60	0.15	0.70	0.2	0.80
390M	39	0.29	0.40	0.42	0.57	0.17	0.65	0.21	0.75
470M	47	0.41	0.38	0.47	0.53	0.21	0.56	0.29	0.67
560M	56	0.46	0.35	0.69	0.50	0.24	0.53	0.32	0.63
680M	68	0.53	0.33	0.79	0.44	0.27	0.50	0.39	0.57
820M	82	0.75	0.30	0.88	0.40	0.37	0.44	0.45	0.53
101M	100	0.85	0.28			0.46	0.40	0.56	0.48

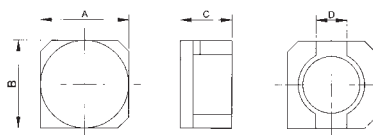
SMD Power Inductors

CMI-RP Series

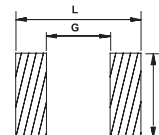
Shielded



Dimensions



Land Pattern



Applications : Ideal use in variety of DC-DC converter inductor applications. Mobile Phone,DSC,DVC, PDA,MP3,LCD panel, Mobile Set. Etc.

Size(mm)	A x B x C	L	G	H
CMI-RP4H20F	4.8±0.3 x 4.8±0.3 x 2.0max	5.3	1.5	5.3
CMI-RP4H30F	4.8±0.3 x 4.8±0.3 x 3.0max	5.3	1.5	5.3
CMI-RP5H20F	5.8±0.3 x 5.8±0.3 x 2.0max	6.3	2.0	6.3
CMI-RP5H30F	5.8±0.3 x 5.8±0.3 x 3.0max	6.3	2.0	6.3

■ CMI-RP4H20F, CMI-RP4H30F, CMI-RP5H20F, CMI-RP5H30F

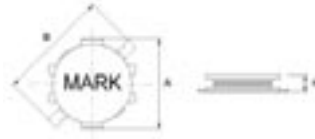
Inductance (μH)		CMI-RP4H20F		CMI-RP4H30F		CMI-RP5H20F		CMI-RP5H30F	
		DCR (Ω)max.	I sat(A)	DCR (Ω)max.	I sat(A)	DCR (Ω)max.	I sat (A) max.	DCR (Ω)max.	I sat (A) max.
2R2N	2.2			0.0313	2.04				
2R6N	2.6							0.018	2.60
3R0N	3.0							0.024	2.40
3R3N	3.3			0.0492	1.57				
3R9N	3.9			0.0648	1.44				
4R7N	4.7	0.10	0.90	0.0720	1.32	0.09	1.80	0.034	2.0
5R6N	5.6			0.1009	1.17				
6R2N	6.2								1.80
6R8N	6.8	0.14	0.80			0.12	1.50		
8R2N	8.2			0.1175	1.04			0.053	1.60
100M	10	0.18	0.70	0.1283	1.00	0.14	1.20	0.065	1.30
120M	12			0.1316	0.84			0.076	1.20
150M	15	0.21	0.55	0.1490	0.76			0.103	1.10
180M	18			0.1660	0.72			0.110	1.00
220M	22	0.35	0.48	0.2350	0.70	0.29	0.80	0.122	0.90
270M	27			0.2810	0.58			0.175	0.85
330M	33			0.3780	0.56	0.45	0.70	0.189	0.75
390M	39			0.3837	0.50			0.212	0.70
470M	47	0.72	0.30	0.5870	0.48			0.260	0.62
560M	56			0.6245	0.41			0.305	0.58
680M	68			0.6990	0.35			0.355	0.52
820M	82			0.9148	0.32			0.463	0.46
101M	100			1.02	0.29			0.520	0.42

CMI-DP Series

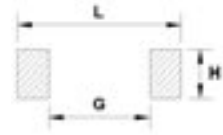
Unshielded



Dimensions



Land Pattern



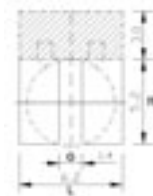
Size(mm)	A x B x C	L	G	H
CMI-DP3H15F	3.8±0.3 x 3.8±0.3 x 1.5max	4.3	2.3	1.4
CMI-DP6L12F	6.2±0.2 x 7.8±0.3 x 1.2max	6.8	4.2	2.0



Dimensions



Land Pattern



Size(mm)	A x B x C	L	G	H
CMI-DP6H13F	6.6±0.2 x 5.7±0.2 x 1.25max	6.2	1.4	5.2

Applications : DC-DC Converter, Mobile Phone, DSC, DVC, PDA, LCD pannel, Mobile Set. Etc.

Inductance (μ H)		CMI-DP3H15F		CMI-DP6L12F		CMI-DP6H13F	
		DCR (Ω)±20%	I sat (A) max	DCR (Ω)±20%	I sat (A)	DCR (Ω)±20%	I sat (A) max
1R5N	1.5			0.08	2.5		
2R2N	2.2						
3R3N	3.3						
4R7N	4.7			0.140	1.50	0.15	1.10
5R6N	5.6						
6R8N	6.8	0.21	0.62	0.18	1.24	0.19	0.95
8R2N	8.2	0.24	0.58				
100M	10	0.34	0.51	0.24	1.07	0.27	0.80
120M	12	0.37	0.45				
150M	15	0.51	0.42	0.34	0.88	0.40	0.65
180M	18	0.58	0.39				
220M	22	0.77	0.34	0.5	0.72	0.60	0.55
270M	27	0.85	0.31				
330M	33	1.10	0.25	0.82	0.54	0.93	0.42
470M	47			1.08	0.46	1.35	0.35

SMD Power Inductors

CMI-DHC Series

Shielded

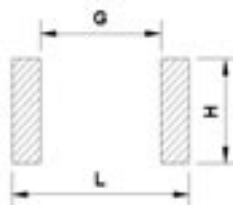


Dimensions



Applications : Ideal use in variety of DC-DC Converter inductor applications. MP3, PDA, Mobile Set, LCD Monitors

Land Pattern



Size(mm)	A x B x C	L	G	H
CMI-DHC6L11F	6.5±0.3 x 5.4±0.2 x 1.1max	6.9	4.7	3.8

Inductance (μH)		CMI-DHC6L11F	
		DCR (Ω)±20%	I sat(A)
1R2N	1.2	0.08	2.1
2R2N	2.2	0.12	1.6
3R3N	3.3	0.16	1.3
4R7N	4.7	0.20	1.1
6R8N	6.8	0.32	0.95
8R2N	8.2	0.37	0.72
100M	10	0.41	0.80
150M	15	0.55	0.65
220M	22	0.85	0.50
330M	33	1.3	0.40

CMI-RBP Series

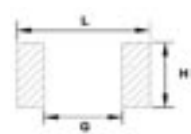
Shielded



Dimensions



Land Pattern



Applications : DC-DC Converter, MP3, PDA, Mobile Set. Etc.

Size(mm)	A x B x C	L	G	H
CMI-RBP6L28F	6.3±0.3 x 4.2±0.3 x 2.8max	6.86	4.06	3.56

Inductance (μH)		CMI-RBP6L28F	
		DCR (Ω) max	I sat(A)
2R2N	2.2	0.06	1.49
330M	33	0.275	0.38
221M	220	2.25	0.15

CMI-SRP Series

Shielded



Dimensions



Land Pattern



Applications : Note book, Desktop, Modem equipment, LCD, OA equipment. Etc.

Size(mm)	A x B x C	L	G	H
CMI-SRP10L50F	10.3±0.3 x 10.3±0.3 x 5.0max	11.0	5.0	4.5

Inductance (μH)		CMI-SRP10L50F	
		DCR (Ω) max	I sat(A)
2R0N	2.0	0.015	12.0
4R7N	4.7	0.037	6.0
6R8N	6.8	0.060	6.0
8R2N	8.2	0.070	5.8
100M	10		
120M	12		
150M	15		
180M	18		
220M	22		

SMD Power Inductors

CMI-SPC Series

Shielded

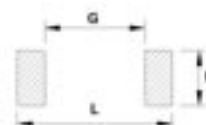


Applications : VCR Camera, PDA, HDD,
LCD Display, Cellular Phone,
Cordless Telephone. Etc.

Dimensions



Land Pattern



Size(mm)	A x B x C	L	G	H
CMI-SPC6L28F	6.0±0.3 x 6.0±0.2 x 2.8±0.2	7.0	4.0	2.2

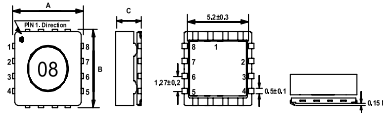
Inductance (μ H)		CMI-SPC6L28F	
		DCR (Ω) \pm 20%	I sat(A)
1R0N	1.0	0.0126	2.7
2R7N	2.7	0.022	1.8
4R7N	4.7	0.0284	1.6
5R6N	5.6	0.0345	1.5
6R8N	6.8	0.0354	1.5
100M	10	0.0532	1.30
150M	15	0.0745	1.00
220M	22	0.104	0.77
330M	33	0.148	0.69
470M	47	0.21	0.59
680M	68	0.29	0.50
820M	82	0.4	0.42
101M	100	0.43	0.42
151M	150	0.65	0.34
181M	180	0.87	0.31
221M	220	0.98	0.26

CMD-16P Series

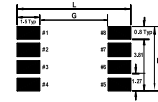
Shielded (DC-DC Transformer)



Dimensions



Land Pattern



Applications : DSC

Size(mm)	A x B x C	L	G	H
CMD-16P6L27F	6.45±0.3 x 5.7±0.3 x 2.55max	8.0	5.0	4.61
CMD-16P6L30F	6.45±0.3 x 5.7±0.3 x 3.0max	8.0	5.0	4.61
CMD-16P6L40F	6.45±0.3 x 5.7±0.3 x 4.0max	8.0	5.0	4.61

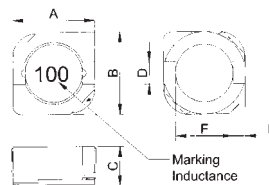
Chararistic	CMD-16P6L27	CMD-16P6L30	CMD-16P6L40
Input voltage range(V)	0.7 ~ 18	0.7 ~ 18	0.7 ~ 18
output voltage range(V)	30max	30max	30max
operating frequency(kHz)	1,000max	1,000max	1,000max
output Channel	5	5	5

CMI-RPC Series

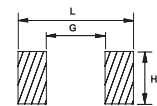
Shielded



Dimensions



Land Pattern



Applications : Notebook, Desktop, Modem equipment, LCD, OA equipment, other electronic equipment

Size(mm)	A x B x C	L	G	H
CMI-RPC10L40F	10.0±0.3 x 10.1±0.3 x 4.0max	10.7	7.3	3.2

Inductance (μH)	CMI-RPC10L40F		
	DCR (mΩ) max	I sat (A)	
1R5N	1.5	5.8	4.00
1R8N	1.8	8.5	9.00
3R3N	3.3	10.4	4.00
3R8N	3.8	13	6.00
5R2N	5.2	30	5.50
6R8N	6.8	35	5.00
100M	10	35	4.30
150M	15	57	2.20
330M	33	98	1.70
390M	39	130	1.60
470M	47	160	1.50
680M	68	250	1.50
221M	220	720	0.65

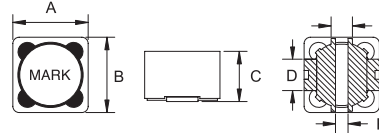
SMD Power Inductors

CMI-SSP Series

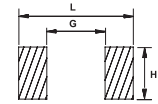
Shielded



Dimensions



Land Pattern



Applications : Notebook,Desktop,Modem
equipment,LCD,OA equipment,other
electronic equipment

Size(mm)	A x B x C	L	G	H
CMI-SSP7L45F	7.2±0.3 x 7.2±0.3 x 4.5max	8.0	4.8	2.2
CMI-SSP12L50F	12.0±0.3 x 12.0±0.3 x 5.0max	12.6	7.0	5.4
CMI-SSP12L60F	12.0±0.3 x 12.0±0.3 x 6.0max	12.6	7.0	5.4
CMI-SSP12L80F	12.0±0.3 x 12.0±0.3 x 8.0max	12.6	7.0	5.4

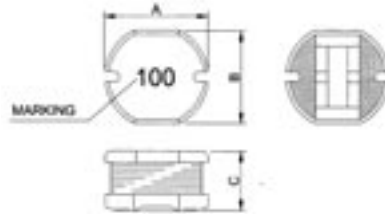
Inductance (μH)	CMI-SSP7L45F		CMI-SSP12L50F		CMI-SSP12L60F		CMI-SSP12L80F		
	DCR (Ω) max	I sat(A)	DCR (Ω) max	I sat(A)	DCR (Ω) max	I sat(A)	DCR (Ω) max	I sat(A)	
1R2N	1.2						0.0070	9.80	
1R5N	1.5				0.012	8.00			
2R2N	2.2				0.014	7.00			
2R7N	2.7						0.0115	8.00	
3R1N	3.1				0.017	6.00			
3R3N	3.3			0.015	6.50				
3R9N	3.9						0.0135	7.50	
4R4N	4.4				0.020	5.00			
4R7N	4.7			0.018	5.70		0.0158	6.80	
5R2N	5.2				0.021	4.40			
5R6N	5.6						0.0176	6.60	
6R8N	6.8			0.023	4.90				
7R5N	7.5				0.029	4.20	0.0200	5.90	
100M	10	0.049	1.84	0.028	4.50	0.030	4.00	0.0216	5.40
120M	12	0.058	1.71	0.038	4.00	0.032	3.50	0.0243	4.90
150M	15	0.081	1.47	0.052	3.20	0.035	3.30	0.0270	4.50
180M	18	0.091	1.31	0.060	3.10	0.039	3.00	0.0392	3.90
220M	22	0.110	1.23	0.070	2.90	0.041	2.80	0.0432	3.60
270M	27	0.150	1.12	0.080	2.80	0.056	2.30	0.0459	3.40
330M	33	0.170	0.96	0.097	2.70	0.062	2.10	0.0648	3.00
390M	39	0.230	0.91	0.132	2.10	0.078	2.00	0.0729	2.75
470M	47	0.260	0.88	0.150	1.90	0.085	1.80	0.100	2.50
560M	56	0.350	0.75	0.190	1.80	0.120	1.70	0.110	2.35
680M	68	0.380	0.69	0.220	1.50	0.130	1.50	0.140	2.10
820M	82	0.430	0.61	0.260	1.30	0.150	1.40	0.160	1.95
101M	100	0.610	0.60	0.308	1.20	0.170	1.30	0.220	1.70
121M	120			0.380	1.10	0.180	1.10	0.250	1.60
151M	150			0.520	0.95	0.23	1.00	0.280	1.42
181M	180			0.600	0.85	0.29	0.90	0.350	1.30
221M	220			0.700	0.80	0.40	0.80	0.390	1.16
271M	270			0.860	0.60	0.46	0.75	0.560	1.06
331M	330			0.980	0.50	0.51	0.68	0.640	0.95
391M	390					0.69	0.65	0.700	0.88
471M	470					0.77	0.58	0.980	0.79
561M	560					0.86	0.54	1.070	0.73
681M	680					1.20	0.48	1.460	0.67
821M	820					1.34	0.43	1.640	0.60
102M	1000					1.53	0.40	1.820	0.55

CMI-DS Series

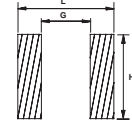
Unshielded



Dimensions



Land Pattern



Applications : VCR, OA equipment, LCD, notebook, DC to DC converters, DC to AC inverters

Size(mm)	A x B x C	L	G	H
CMI-DS3L13F	3.5±0.3 x 3.0±0.3 x 1.3max	3.7	1.1	3.3
CMI-DS3L24F	3.5±0.3 x 3.0±0.3 x 2.4max	3.7	1.1	3.3
CMI-DS4L35F	4.5±0.3 x 4.0±0.3 x 3.5max	5.0	1.5	4.5
CMI-DS5H23F	5.8±0.3 X 5.2±0.3 X 2.3max	6.0	1.7	5.5
CMI-DS5H48F	5.8±0.3 X 5.2±0.3 X 4.8max	6.0	1.7	5.5

Inductance (μH)		CMI-DS3L13F		CMI-DS3L24F		CMI-DS4L35F		CMI-DS5H23F		CMI-DS5H48F	
		DCR (Ω) max	I sat (A)	DCR (Ω) max	I sat (A)	DCR (Ω) max	I sat (A)	DCR (Ω) max	I sat (A)	DCR (Ω) max	I sat (A)
1R0N	1.0			0.04	1.50	0.03	4.00	0.03	1.50	0.018	3.50
1R4N	1.4			0.05	1.50	0.04	3.50	0.04	1.50	0.020	3.50
1R8N	1.8			0.06	0.80	0.05	3.00	0.05	1.50	0.025	3.00
2R2N	2.2	0.20	1.20	0.08	0.75	0.06	2.60	0.06	1.50	0.030	2.80
2R7N	2.7			0.10	0.75	0.06	2.20	0.07	1.50	0.035	2.60
3R3N	3.3	0.22	1.10	0.15	0.60	0.07	2.00	0.08	1.50	0.040	2.50
3R9N	3.9			0.20	0.50	0.07	2.00	0.09	1.00	0.050	2.30
4R7N	4.7	0.25	0.90	0.20	0.50	0.08	1.90	0.10	1.00	0.060	2.60
5R6N	5.6			0.23	0.45	0.12	1.80	0.11	1.00	0.070	2.40
6R8N	6.8	0.38	0.80	0.25	0.40	0.14	1.60	0.14	0.70	0.080	2.20
8R2N	8.2			0.30	0.40	0.15	1.40	0.15	0.65	0.080	2.00
100M	10	0.55	0.65	0.35	0.35	0.19	1.10	0.30	0.60	0.080	1.50
120M	12			0.40	0.35	0.21	1.10	0.35	0.60	0.100	1.60
150M	15			0.50	0.30	0.25	1.00	0.40	0.55	0.120	1.50
180M	18			0.55	0.30	0.30	1.00	0.45	0.50	0.150	1.40
220M	22	1.10	0.38	0.60	0.30	0.35	0.80	0.50	0.50	0.180	1.30
270M	27			0.70	0.30	0.45	0.75	0.55	0.45	0.220	1.20
330M	33			1.00	0.25	0.60	0.70	0.60	0.40	0.260	1.00
390M	39			1.20	0.25	0.70	0.65	0.70	0.35	0.300	0.90
470M	47	2.70	0.30	1.50	0.20	0.80	0.60	0.80	0.30	0.350	0.80
560M	56			1.80	0.20	0.85	0.55	0.90	0.25	0.400	0.80
680M	68			2.00	0.18	1.00	0.50	1.20	0.25	0.450	0.70
820M	82			2.50	0.16	1.10	0.46	1.50	0.22	0.500	0.70
101M	100			3.00	0.15	1.20	0.22	2.00	0.21	0.700	0.60
121M	120			3.50	0.14	1.60	0.20	3.00	0.20	0.750	0.60
151M	150			4.00	0.13	2.00	0.20			0.900	0.55
181M	180			5.00	0.12	3.00	0.20			1.100	0.50
221M	220			5.50	0.10	3.00	0.20			1.200	0.40
271M	270			6.00	0.10	4.00	0.16			1.500	0.25
331M	330			7.00	0.10	4.00	0.14			3.000	0.20
391M	390			8.00	0.10	5.00	0.12			3.500	0.20
471M	470			12.00	0.09	6.00	0.12			4.000	0.19
561M	560					7.00	0.10			4.000	0.18
681M	680									4.500	0.16

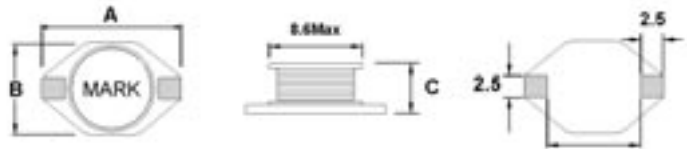
SMD Power Inductors

CMI-DBP Series

Shielded

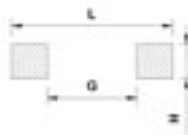


Dimensions



Applications : Notebook, Desktop, Modem equipment, LCD, OA equipment, other electronic equipment

Land Pattern



Size(mm)	A x B x C	L	G	H
CMI-DBP12H30F	12.70±0.2 x 9.5±0.2 x 3.0 max	13.2	7.37	2.79
CMI-DBP12H53F	12.70±0.2 x 9.5±0.2 x 5.3 max	13.2	7.37	2.79
CMI-DBP12H100F	12.70±0.2 x 9.5±0.2 x 10.0 max	13.2	7.37	2.79
CMI-DBP18L70F	18.0±0.3 x 15.0±0.3 x 7.0 max	18.29	12.45	2.79

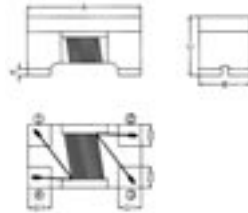
Inductance (μH)	CMI-DBP12H30F		CMI-DBP12H53F		CMI-DBP12H100F		CMI-DBP18L70F		
	DCR (Ω) max	I sat(A)	DCR (Ω) max	I sat(A)	DCR (Ω) max	I sat(A)	DCR (Ω) max	I sat(A)	
1R0N	1		0.009	9.0			0.009	20.0	
1R5N	1.5		0.010	8.0			0.012	18.0	
2R2N	2.2		0.012	7.0			0.014	16.0	
3R3N	3.3		0.015	5.8			0.018	14.0	
4R7N	4.7		0.018	5.2					
5R6N	5.6						0.020	12.0	
6R8N	6.8		0.027	4.3					
100M	10	0.11	2.40	0.038	3.4	0.040	7.00	0.031	10.0
150M	15	0.15	2.00	0.046	3.0	0.050	5.80	0.036	8.0
220M	22	0.23	1.60	0.085	2.5	0.066	4.80	0.047	7.0
330M	33	0.30	1.40	0.100	2.0	0.080	3.80	0.066	5.5
470M	47	0.39	1.00	0.140	1.8	0.110	3.40	0.086	4.5
680M	68	0.66	0.90	0.200	1.4	0.170	2.70	0.130	3.5
101M	100	0.84	0.70	0.280	1.1	0.220	2.20	0.190	3.0
151M	150	1.20	0.60	0.400	0.9	0.340	1.90	0.250	2.6
221M	220	1.90	0.50	0.610	0.8	0.440	1.50	0.380	2.4
331M	330	2.70	0.40	1.020	0.6	0.700	1.30	0.560	1.9
471M	470	4.00	0.20	1.127	0.5	0.950	0.90	0.850	1.4
681M	680	5.30	0.20	2.020	0.4	1.200	0.90	1.100	1.2
102M	1000	8.40	0.10	3.000	0.3	2.000	0.70	1.300	1.0

CMF-4S series

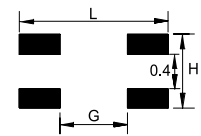
Common Mode Choke (mini SMD)



Dimensions



Land Pattern



Applications : USB line for Desk top, Note-
pc,PDA,IEEE1394 line for Desk top,Note-
PC,DVC,Settop box, ETC.

Size(mm)	A x B x C	L	G	H
CMF-4S2012F	2.0±0.2 x 1.2±0.2 x 1.2±0.2	2.6	0.8	1.2
CMF-4S3216F	3.2±0.2 x 1.6±0.2 x 2.0±0.2	3.7	1.9	1.6

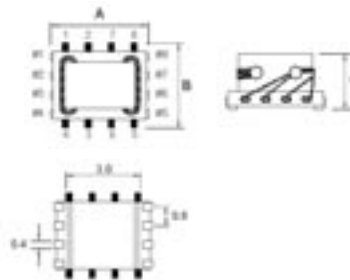
Common mode Impedance(Ω) (typ) at 100MHz		CMF-4S2012F				CMF-4S3216F			
		DCR (Ω) max	Rated Current(mA)	Withstand Voltage (Vdc)	Insulation Resistance (Ω) min	DCR (Ω) max	Rated Current(mA)	Withstand Voltage (Vdc)	Insulation Resistance (Ω) min
900T04	90±25%	0.30	400	125	10M	0.30	400	125	10M
161T03	160±25%	0.35	350	125	10M	0.35	350	125	10M
221T03	220±25%	0.40	300	125	10M	0.40	300	125	10M

CMF-16P Series

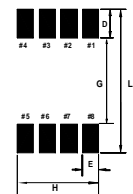
Common Mode Choke (16 Pin type)



Dimensions



Land Pattern



Applications : USB line for Desk top, Note-
pc,PDA,IEEE1394 line for Desk
top,Note-PC,DVC,Settop box,
ETC.

Size(mm)	A x B x C	L	G	H	D	E
CMF-16P5L25F	5.0±0.3 x 5.0±0.3 x 2.5 max	6.0	3.6	3.0	1.2	0.6
CMF-16P6L30F	6.4±0.3 x 5.8±0.3 x 3.0 max	8.0	5.0	4.6	1.5	0.8

Common mode Impedance(Ω)		CMF-16P5L25F					CMF-16P6H30F			
	at 100MHz	at 300MHz	DCR (Ω) max	Rated Current(mA)	Withstand Voltage (Vdc)	Insulation Resistance (Ω) min	DCR (Ω) max	Rated Current(mA)	Withstand Voltage (Vdc)	Insulation Resistance (Ω) min
900T04	90±25%	120±25%	0.06	300	100	100M	0.04	100	100	100M
121T05	120±25%	180±25%					0.12	500	100	100M
201T05	200±25%	280±25%	0.10	200	100	100M				
301T05	300±25%	470±25%					0.12	500	100	100M
501T05	500±25%	750±25%					0.12	500	100	100M

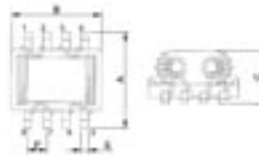
Common Mode Filters

CMF-8P Series

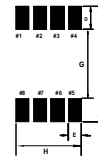
Common Mode Choke (8 Pin type)



Dimensions



Land Pattern



Applications : USB line for Desk top, Note-
pc,PDA,IEEE1394 line for Desk
top,Note-PC,DVC,Settop box,
ETC.

Size(mm)	A x B x C	L	G	H	D	E
CMF-8P4L25F	4.0±0.3 x 3.5±0.3 x 2.5 max	5.5	2.5	2.9	1.5	0.5
CMF-8P6L30F	6.4±0.3 x 5.8±0.3 x 3.0 max	8.0	5.0	4.61	1.5	0.8

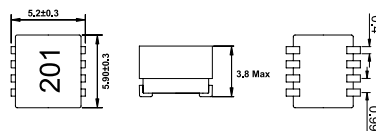
Common mode Impedance(Ω)			CMF-8P4L25F				CMF-8P6H30F			
	at 100MHz	at 300MHz	DCR (Ω) max	Rated Current(mA)	Withstand Voltage (Vdc)	Insulation Resistance (Ω) min	DCR (Ω) max	Rated Current(mA)	Withstand Voltage (Vdc)	Insulation Resistance (Ω) min
900T05	90±25%	120±25%	0.10	500	100	100M				
121T05	120±25%	180±25%					0.12	500	100	100M
201T05	200±25%	280±25%	0.12	500	100	100M				
301T05	300±25%	520±25%	0.15	500	100	100M	0.12	500	100	100M
501T05	500±25%	850±25%	0.16	500	100	100M	0.12	500	100	100M

CMF-PS Series

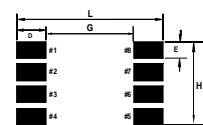
Common Mode Choke (Molded)



Dimensions



Land Pattern



Applications : USB line for Desk top, Note-
pc,PDA,IEEE1394 line for Desk top,Note-
PC,DVC,Settop box, ETC.

Size(mm)	A x B x C	L	G	H	D	E
CMF-PS5H38F	5.9±0.3 x 5.1±0.3 x 3.8 max	5.8	3.4	3.67	1.2	0.7

Common mode Impedance(Ω)			CMF-PS5H38F			
	at 100MHz	at 300MHz	DCR (Ω) max	Rated Current(mA)	Withstand Voltage (Vdc)	Insulation Resistance (Ω) min
900T05	70 min	100 min	0.10	100	100	100M
201T05	200±25%	280±25%	0.12	80	100	100M



 Acoustic





D i v i s i o n



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NEW

SMD Type Speaker / Receiver













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NEW







High Power Speaker

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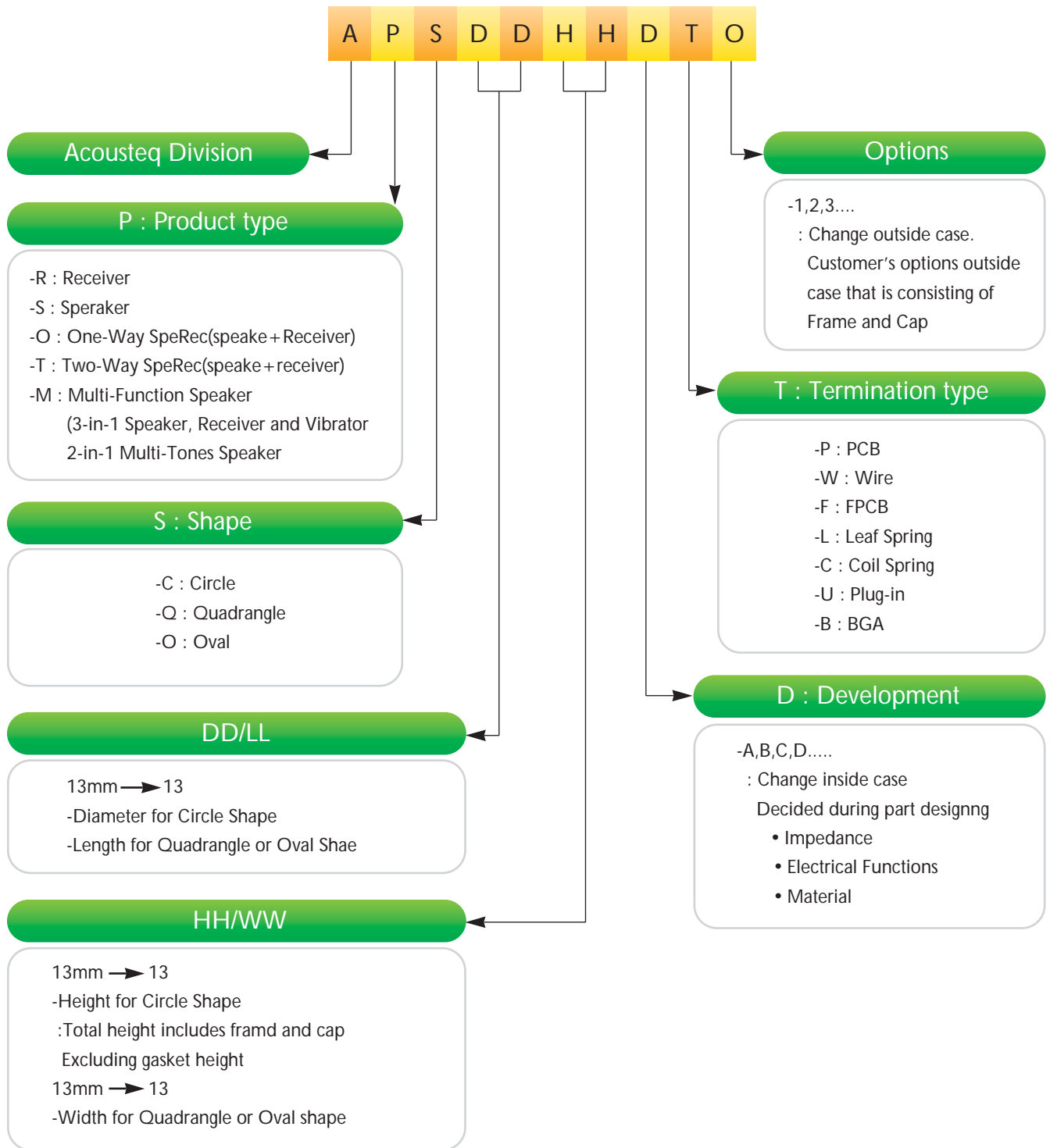
One-Way SpeRec™

 AOC1535AP1	Dimension (D X T) : 15 \varnothing X 3.5mm	40
 AOC1734AP1	Dimension (D X T) : 17 \varnothing X 3.4mm	40
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Dual-Way SpeRec™

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How to Order?

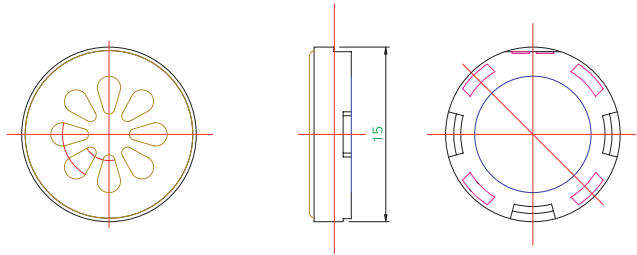


SMD Type Speaker / Receiver

NEW SMD Type Speaker (Pb Free)

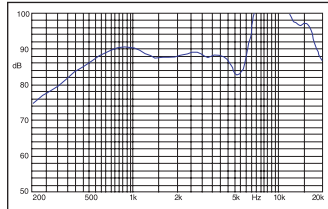
ASC1536AS1

Reflowable and high power sound SMD Speaker



Dimension (D X T) : 15 \varnothing X 3.6mm

Frequency Response

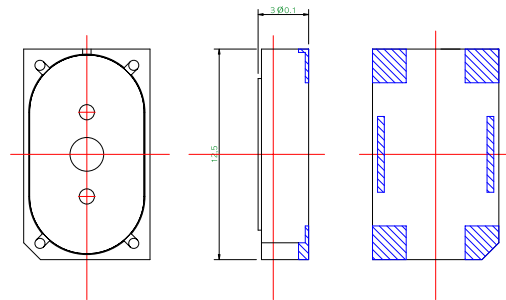


Impedance(Ω)	8.0
Rated Power(W)	0.6
Max Power(W)	1.0
Sound Pressure Level(dB)	88
Frequency Range(Hz)	Fo _ 20K
Fo(Hz)	600

NEW SMD Type Receiver (Pb Free)

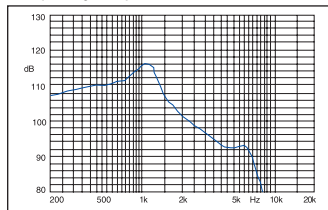
ARS1207AS1

Reflowable and compact size SMD Receiver



Dimension (D X T) : 12.5mm X 7.5mm X 3.0mm

Frequency Response

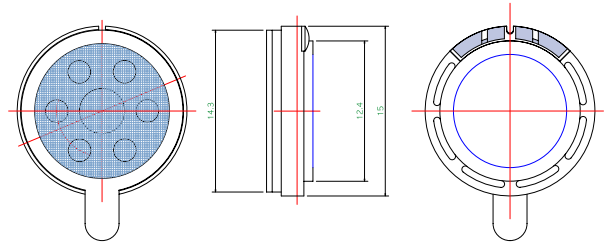


Impedance(Ω)	32
Rated Power(W)	0.1
Max Power(W)	0.3
Sound Pressure Level(dB)	115
Frequency Range(Hz)	200 _ 5.0K
Fo(Hz)	

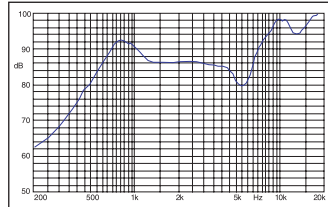
NEW Normal Power is 1W

ASC1536AP1

High power speaker for 64poly sound mobile phone



Frequency Response



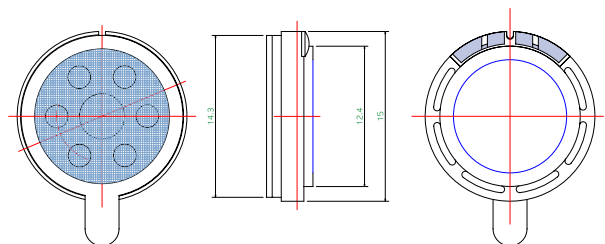
Impedance(Ω)	8
Rated Power(W)	0.8
Max Power(W)	1.5
Sound Pressure Level(dB)	90
Frequency Range(Hz)	Fo_ 20K
Fo(Hz)	800

Dimension (D X T) : 15 \varnothing X 3.6mm

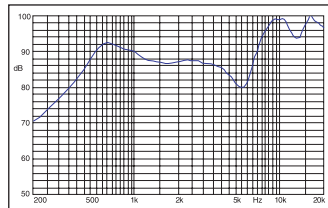
NEW Fo : 600Hz

ASC1536AP2

Low frequency band response is very excellent for MP3 phone



Frequency Response



Impedance(Ω)	8
Rated Power(W)	0.6
Max Power(W)	1.0
Sound Pressure Level(dB)	90
Frequency Range(Hz)	Fo_ 20K
Fo(Hz)	600

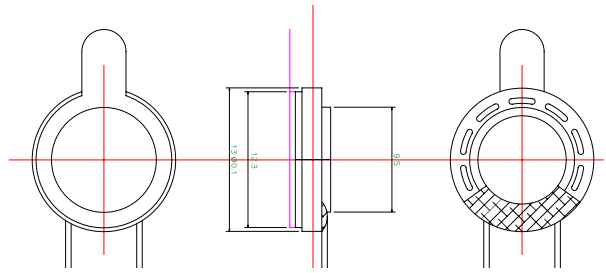
Dimension (D X T) : 15 \varnothing X 3.6mm

Speaker

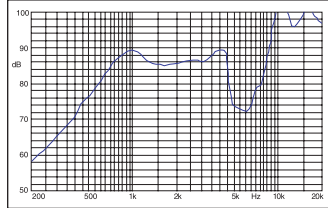
ASC1332AW1



Dimension (D X T) : 13 \varnothing X 3.2mm



Frequency Response

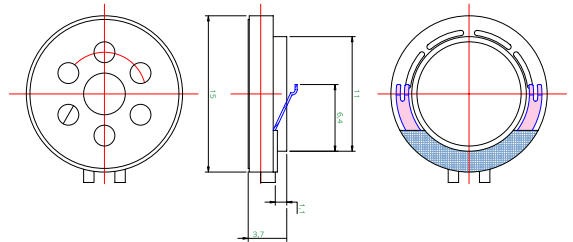


Impedance(Ω)	8
Rated Power(W)	0.3
Max Power(W)	0.5
Sound Pressure Level(dB)	87
Frequency Range(Hz)	Fo _ 20K
Fo(Hz)	800

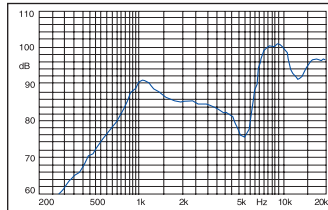
ASC1537AL1



Dimension (D X T) : 15 \varnothing X 3.7mm



Frequency Response

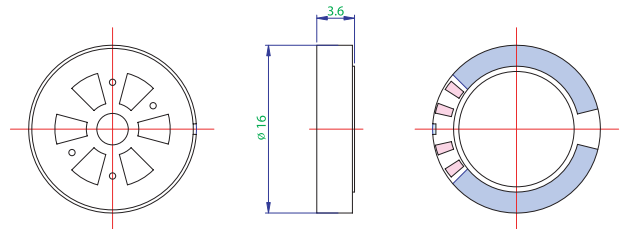


Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	0.7
Sound Pressure Level(dB)	88
Frequency Range(Hz)	Fo _ 20K
Fo(Hz)	950

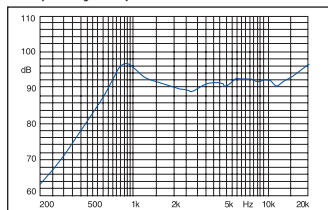
ASC1636AP1



Dimension (D X T) : 16 \varnothing X 3.6mm



Frequency Response

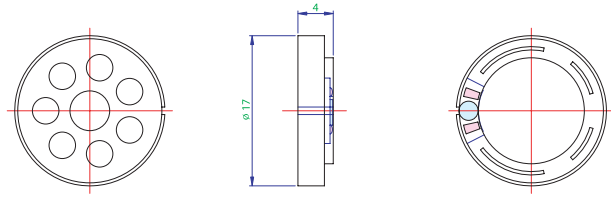


Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	0.8
Sound Pressure Level(dB)	92.5
Frequency Range(Hz)	Fo _ 20K
Fo(Hz)	850

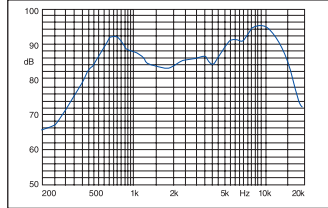
ASC1740AP1



Dimension (D X T) : 17 ϕ X 4.0mm



Frequency Response

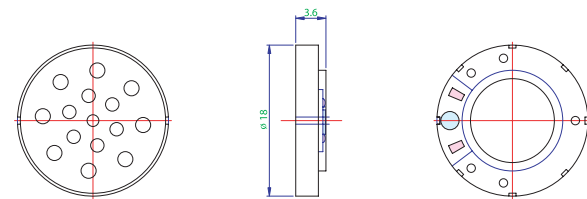


Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	0.8
Sound Pressure Level(dB)	85
Frequency Range(Hz)	Fo_ 20K
Fo(Hz)	700

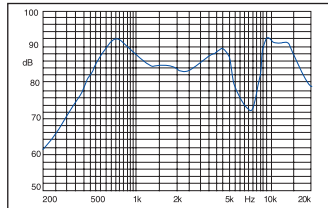
ASC1836AP1



Dimension (D X T) : 18 ϕ X 3.6mm



Frequency Response

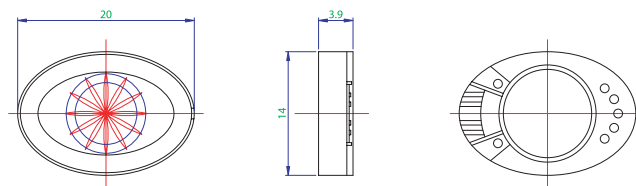


Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	0.8
Sound Pressure Level(dB)	87
Frequency Range(Hz)	Fo_ 20K
Fo(Hz)	700

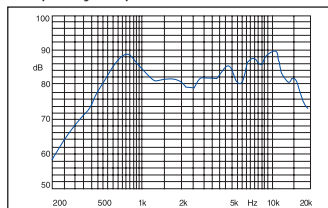
ASO2014AP1



Dimension (L X W X T) : 20mm X 14mm X 3.9mm



Frequency Response



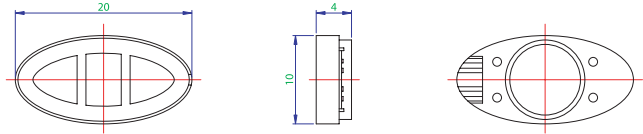
Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	0.8
Sound Pressure Level(dB)	84
Frequency Range(Hz)	Fo_ 20K
Fo(Hz)	750

Speaker

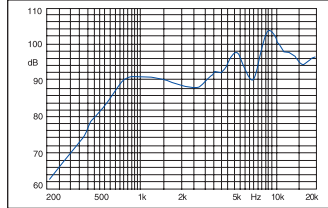
ASO2010AP1



Dimension (L X W X T) : 20mm X 10mm X 4.0mm



Frequency Response

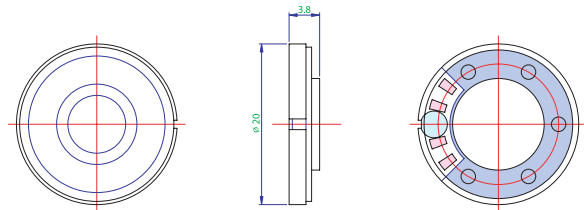


Impedance(Ω)	8
Rated Power(W)	0.3
Max Power(W)	0.5
Sound Pressure Level(dB)	92
Frequency Range(Hz)	Fo _ 20K
Fo(Hz)	800

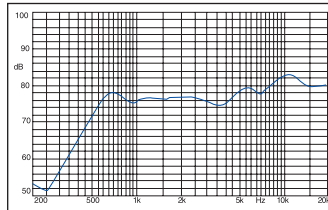
ASC2038AP1



Dimension (D X T) : 20 \varnothing X 3.8mm



Frequency Response

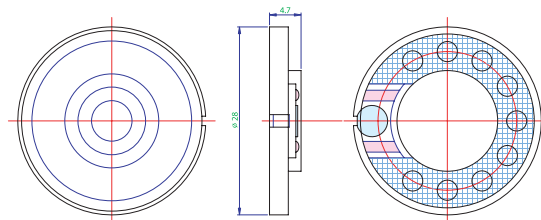


Impedance(Ω)	8
Rated Power(W)	0.2
Max Power(W)	0.4
Sound Pressure Level(dB)	76
Frequency Range(Hz)	Fo _ 20K
Fo(Hz)	650

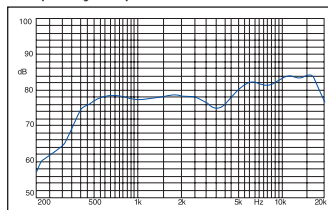
ASC2847AP1



Dimension (D X T) : 28 \varnothing X 4.7mm



Frequency Response

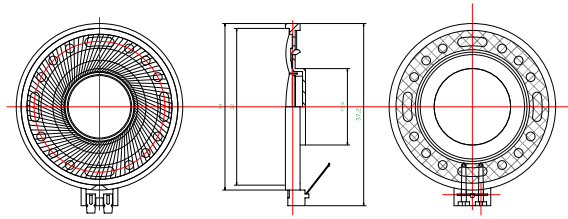


Impedance(Ω)	8
Rated Power(W)	1
Max Power(W)	1.5
Sound Pressure Level(dB)	78
Frequency Range(Hz)	Fo _ 20K
Fo(Hz)	550

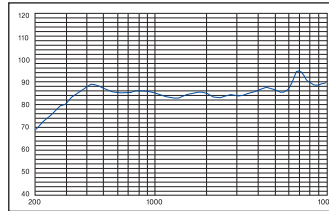
ASC3443AL1



Dimension (D X T) : 34 \varnothing X 4.3mm



Frequency Response

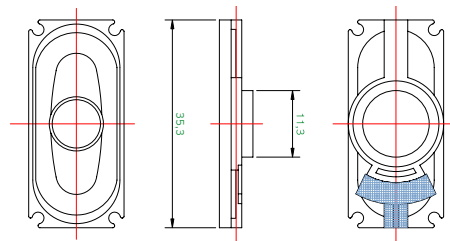


Impedance(Ω)	32
Rated Power(W)	0.3
Max Power(W)	0.5
Sound Pressure Level(dB)	84
Frequency Range(Hz)	Fo_ 20K
Fo(Hz)	350

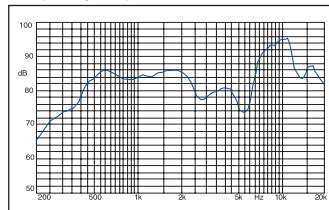
ASS3516AP1



Dimension (L X W X T) : 35mm X 16mm X 5.7mm



Frequency Response

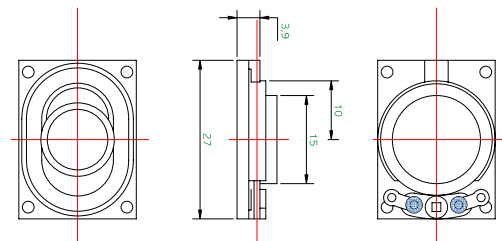


Impedance(Ω)	8
Rated Power(W)	1.0
Max Power(W)	1.5
Sound Pressure Level(dB)	84
Frequency Range(Hz)	Fo_ 20K
Fo(Hz)	500

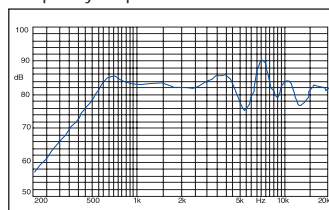
ASS2720AP1



Dimension (L X W X T) : 27mm X 20mm X 6.8mm



Frequency Response



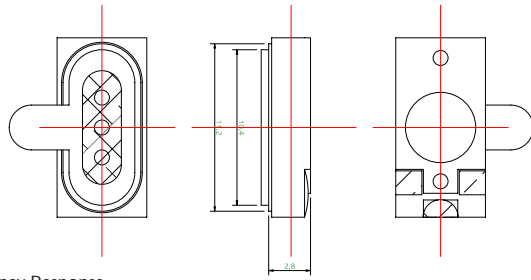
Impedance(Ω)	8
Rated Power(W)	1.0
Max Power(W)	1.5
Sound Pressure Level(dB)	84
Frequency Range(Hz)	Fo_ 20K
Fo(Hz)	550

Receiver

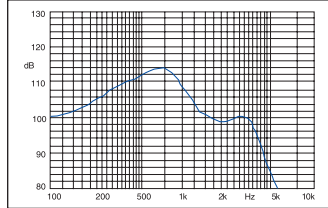
ARS1206AW1



Dimension (L X W X T) : 12mm X 6mm X 3.3mm



Frequency Response

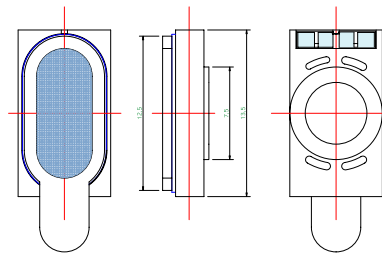


Impedance(Ω)	32
Rated Power(W)	0.1
Max Power(W)	0.3
Sound Pressure Level(dB)	110
Frequency Range(Hz)	300 ~ 3.4K
Fo(Hz)	

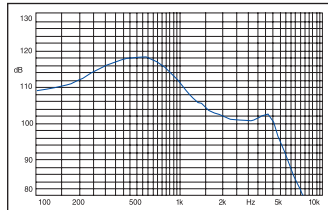
ARS1307AW1



Dimension (L X W X T) : 12.5mm X 7.5mm X 3.1mm



Frequency Response

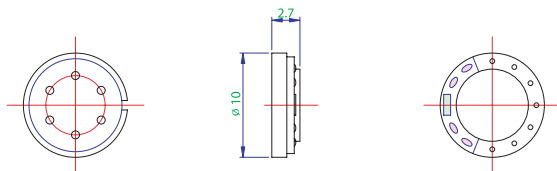


Impedance(Ω)	32
Rated Power(W)	0.1
Max Power(W)	0.3
Sound Pressure Level(dB)	110
Frequency Range(Hz)	300 ~ 3.4K
Fo(Hz)	

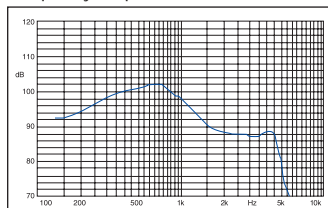
ARC1027AP1



Dimension (D X T) : 10 \varnothing X 2.7mm



Frequency Response

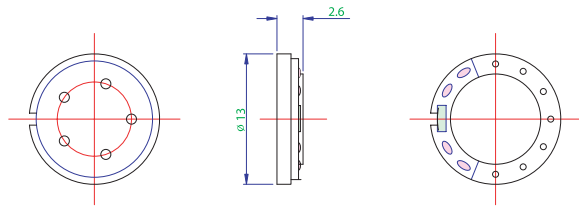


Impedance(Ω)	32
Rated Power(W)	0.1
Max Power(W)	0.3
Sound Pressure Level(dB)	96
Frequency Range(Hz)	300 ~ 3.4K
Fo(Hz)	

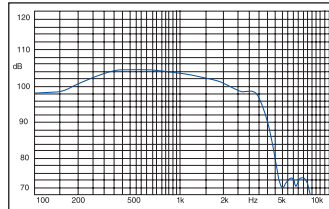
ARC1326AP1



Dimension (D X T) : 13 \varnothing X 2.6mm



Frequency Response

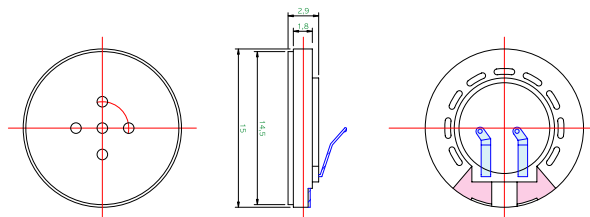


Impedance(Ω)	32
Rated Power(W)	0.1
Max Power(W)	0.3
Sound Pressure Level(dB)	106
Frequency Range(Hz)	300 ~ 3.4K
Fo(Hz)	

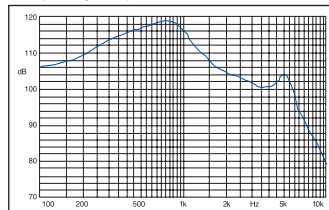
ARC1329BL1



Dimension (D X T) : 13 \varnothing X 2.9mm



Frequency Response

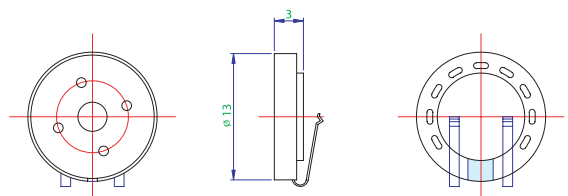


Impedance(Ω)	32
Rated Power(W)	0.1
Max Power(W)	0.3
Sound Pressure Level(dB)	115
Frequency Range(Hz)	300 ~ 3.4K
Fo(Hz)	

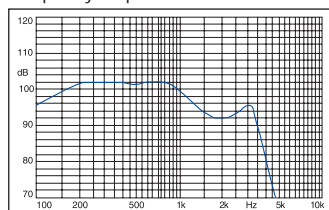
ARC1330AL1



Dimension (D X T) : 13 \varnothing X 3.0mm



Frequency Response



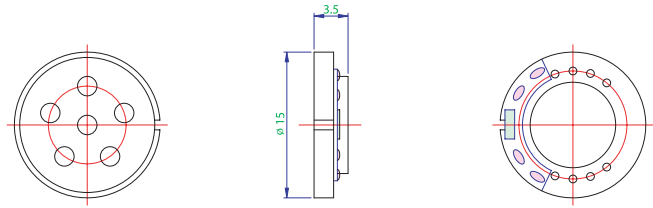
Impedance(Ω)	32
Rated Power(W)	0.1
Max Power(W)	0.3
Sound Pressure Level(dB)	100
Frequency Range(Hz)	300 ~ 3.4K
Fo(Hz)	

One-Way SpeRec™

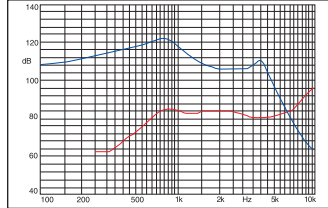
AOC1535AP1



Dimension (D X T) : 15Ø X 3.5mm



Frequency Response

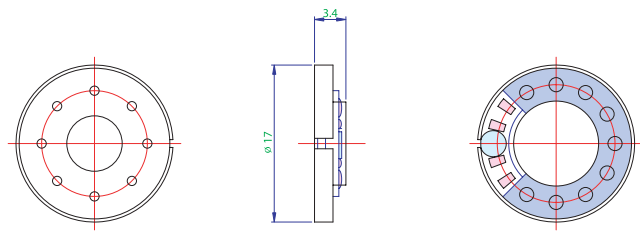


Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	0.8
Sound Pressure Level(dB)	84 / 118
Frequency Range(Hz)	300 ~ 3.4K Fo_20K
Fo(Hz)	780

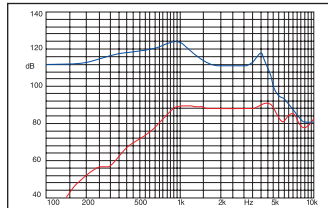
AOC1734AP1



Dimension (D X T) : 17Ø X 3.4mm



Frequency Response

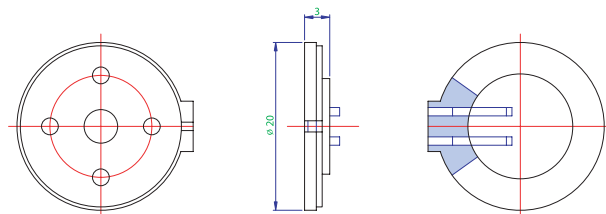


Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	1
Sound Pressure Level(dB)	89 / 123
Frequency Range(Hz)	300 ~ 3.4K Fo_6K
Fo(Hz)	900

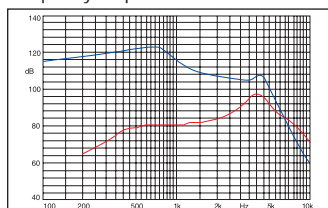
AOC2030AL1



Dimension (D X T) : 20Ø X 3.0mm



Frequency Response

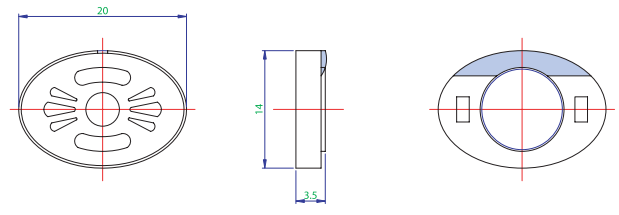


Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	0.8
Sound Pressure Level(dB)	82 / 116
Frequency Range(Hz)	300 ~ 3.4K Fo_5K
Fo(Hz)	450

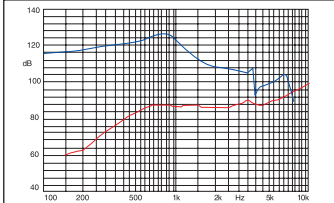
AOO2014AP1



Dimension (L X W X T) : 20mm X 14mm X 3.5mm



Frequency Response

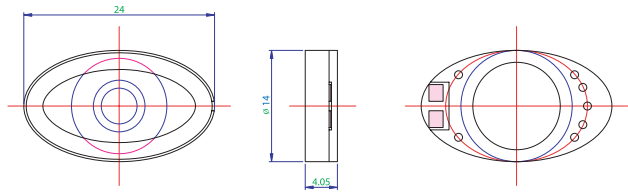


Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	1.0
Sound Pressure Level(dB)	87 / 122
Frequency Range(Hz)	300 ~ 3.4K Fo_ 20K
Fo(Hz)	650

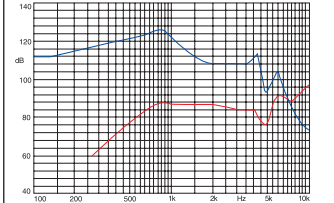
AOO2414AP1



Dimension (L X W X T) : 24mm X 14mm X 4.05mm



Frequency Response



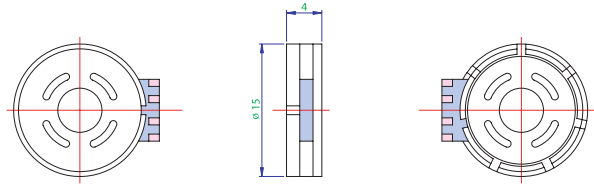
Impedance(Ω)	8
Rated Power(W)	0.5
Max Power(W)	1.0
Sound Pressure Level(dB)	87 / 121.5
Frequency Range(Hz)	300 ~ 3.4K Fo_ 20K
Fo(Hz)	750

Dual-Way SpeRec™

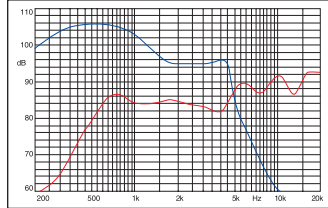
ATC1540AP1



Dimension (D X T) : 15 \varnothing X 4.0mm



Frequency Response

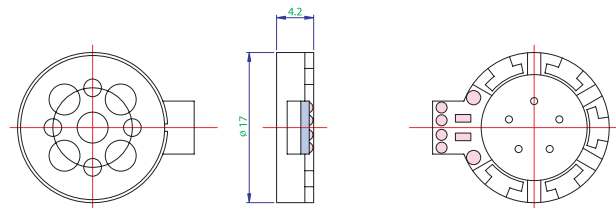


Impedance(Ω)	8 / 32
Rated Power(W)	0.5 / 0.1
Max Power(W)	1.0 / 0.5
Sound Pressure Level(dB)	85 / 103
Frequency Range(Hz)	300 ~ 3.4K Fo ~ 20K
Fo(Hz)	850

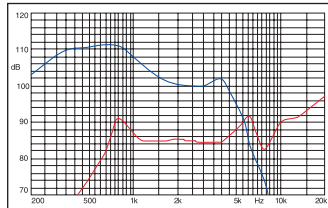
ATC1742AP1



Dimension (D X T) : 17 \varnothing X 4.2mm



Frequency Response

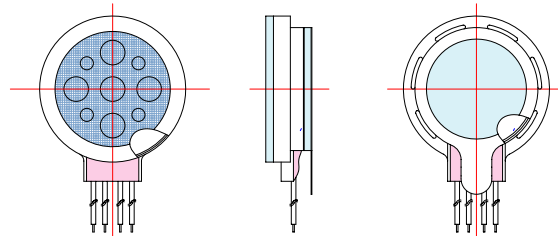


Impedance(Ω)	8 / 32
Rated Power(W)	0.5 / 0.1
Max Power(W)	1.0 / 0.3
Sound Pressure Level(dB)	85 / 108
Frequency Range(Hz)	300 ~ 3.4K Fo ~ 20K
Fo(Hz)	800

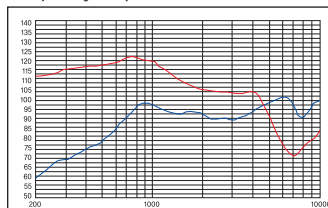
ATC1943AW1



Dimension (D X T) : 19 \varnothing X 4.3mm



Frequency Response

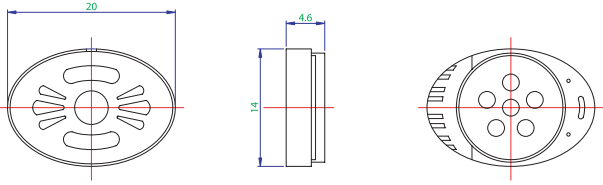


Impedance(Ω)	8 / 32
Rated Power(W)	0.5 / 0.1
Max Power(W)	0.8 / 0.3
Sound Pressure Level(dB)	93 / 120
Frequency Range(Hz)	300 ~ 3.4K Fo ~ 20K
Fo(Hz)	800

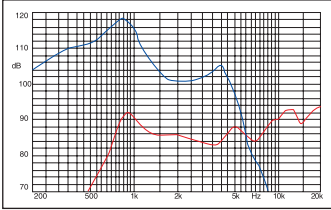
ATO2014AP1



Dimension (L X W X T) : 20mm X 14mm X 4.6mm



Frequency Response



Impedance(Ω)	8 / 32
Rated Power(W)	0.5 / 0.1
Max Power(W)	1.0 / 0.3
Sound Pressure Level(dB)	86 / 115
Frequency Range(Hz)	300 ~ 3.4K Fo_ 20K
Fo(Hz)	850



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