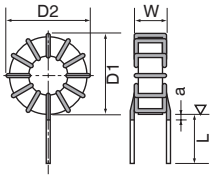
CMJ Series

RoHS2 Compliant



Maximum outer diameter : D1(Vertical), D2(Horizontal)
Maximum width : W
Total lead length* : L=30±3mm
Soldering boundary* : a=1.5mmMAX
*The bottom of the core or coil (▽) is defined as base surface.

◆MAJOR USES

●For Switching Mode Power Supply Normal mode noise filter

◆FEATURES

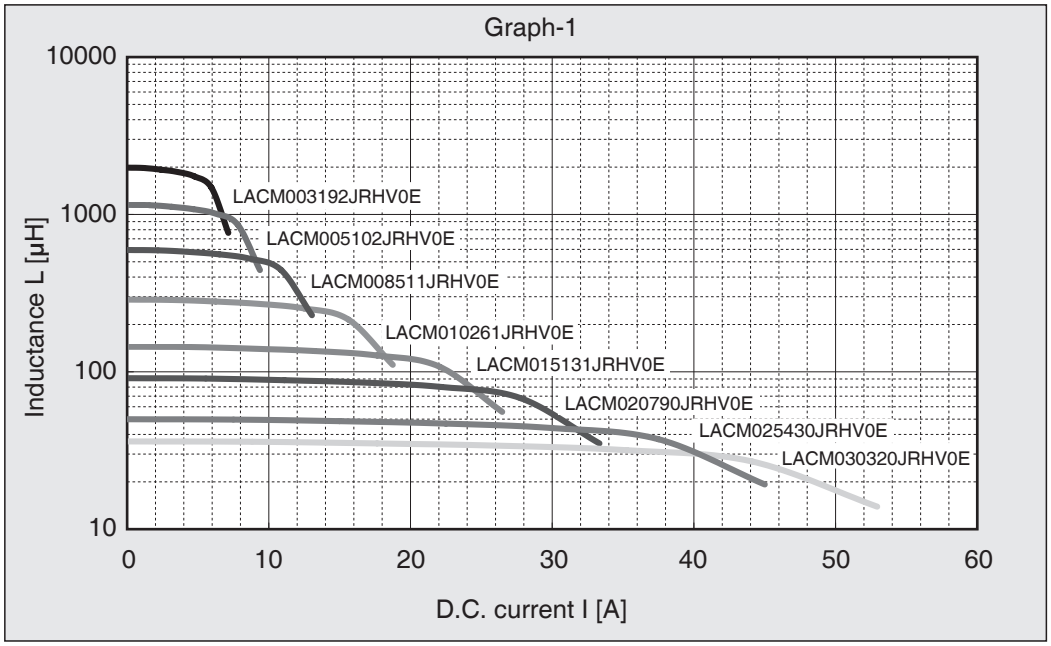
●Achieved significant miniaturization when compared to the CM Series
●Little inductance fall when overload

Coil Part No.	Core Part No.	Rated Current [A]	Peak Current [A]	Inductance (10kHz) 0A [μH]	Inductance (10kHz) Rating [μH]	D.C.R. mΩ (max)	Winding mm ϕ-lines	Outside Dimensions D1 [mm]	Outside Dimensions D2 [mm]	Outside Dimensions W [mm]	D.C. BIAS CHARACTERISTICS Graph
LACM003192JRHV0E	LNC322015J2	3	4.2	2000	1900	290	0.9-1P	41.5	41.5	27.0	1
LACM005102JRHV0E		5	7.1	1200	1000	150	1.1-1P	42.0	42.0	28.0	
LACM008511JRHV0E		8	11.3	600	510	77	1.3-1P	42.0	42.0	29.5	
LACM010261JRHV0E		10	14.1	290	260	38	1.1-2P	42.0	42.0	28.0	
LACM015131JRHV0E		15	21.2	150	130	20	1.3-2P	42.0	42.0	29.5	
LACM020790JRHV0E		20	28.3	92	79	13	1.2-3P	42.5	42.5	28.5	
LACM025430JRHV0E		25	35.4	50	43	7	1.2-4P	42.5	42.5	28.5	
LACM030320JRHV0E		30	42.4	36	32	6	1.3-4P	42.5	42.5	29.5	

* The inductance at current 0[A] indicates the reference value.

◆D.C. BIAS CHARACTERISTICS

●**Frequency : 10 [kHz]**



AM Series

RoHS2 Compliant

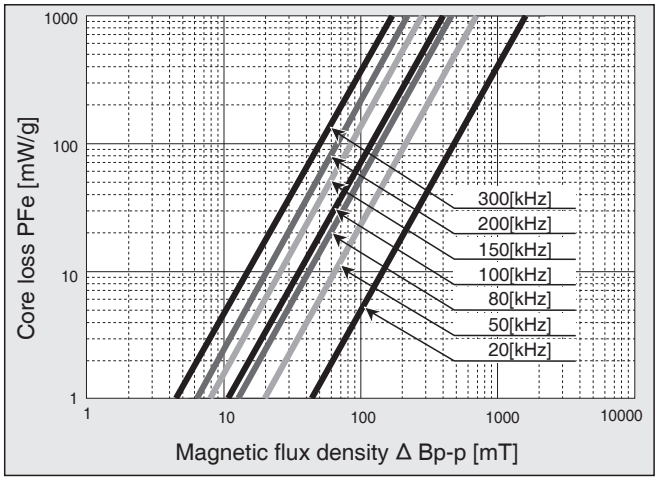
◆MAJOR USES
●Normal mode noise filter

◆FEATURES
●Exhibits excellent DC superimposition characteristics of inductance and achieved significant miniaturization
●Reduced iron loss when compared to the CM Series
●Low temperature rise even when using 100V or higher
●Excellent temperature stability

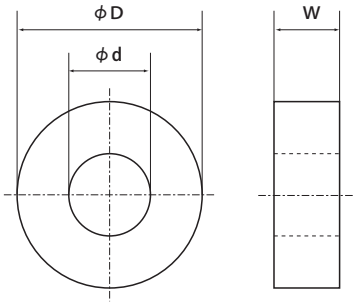
Core Part No.	Cross Sectional Area [cm²]	Magnetic Path Length [cm]	Weight [g]	Outside Dimensions			Inductance Coefficient AL Value			BIAS CHARACTERISTICS Graph
				ϕD [mm]	ϕd [mm]	W [mm]	0A [μH]	Rating* [μH]	Rated Current Ampere Turn [AT]	
LNC251510J3	0.43	6.28	23	28.3	12.7	12.3	0.100	0.075	430	1
LNC251515J2	0.65	6.28	34	28.3	12.7	17.5	0.140	0.113	460	
LNC322015J2	0.77	8.17	52	35.2	17.5	17.3	0.122	0.102	600	
LNC322020J2	1.03	8.17	69	35.5	17.0	23.8	0.156	0.125	660	
LNC372320J2	1.20	9.42	90	40.5	19.5	23.0	0.173	0.140	700	2
LNC462720J2	1.63	11.50	147	49.4	22.7	23.0	0.191	0.156	840	
LNC462725J2	2.04	11.50	182	49.4	22.7	28.0	0.230	0.183	900	
LNC603525J2	2.69	14.90	323	66.7	29.3	29.2	0.230	0.166	1300	

*100kHz, ±25%

◆CORE LOSS CHARACTERISTICS
●AM choke



◆DIMENSIONS OF CORE



Outer diameter : ϕD
Inner diameter : ϕd
Width : W

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