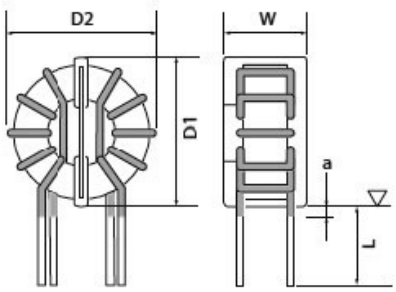
NANOCRYSTALLINE COMMON MODE COILS

FL-V New! Series

RoHS2 Compliant



◆MAJOR USES
●AC/DC Common mode filter

◆FEATURES
●Compared to conventional coils, the inductance level (100kHz) has been significantly improved.
●Compared to conventional coils, a higher impedance level has been realized within wide ranges of frequencies.
●Conforming to insulating type B and incombustibility UL94V-0

◆CORE STANDARD SPECIFICATIONS

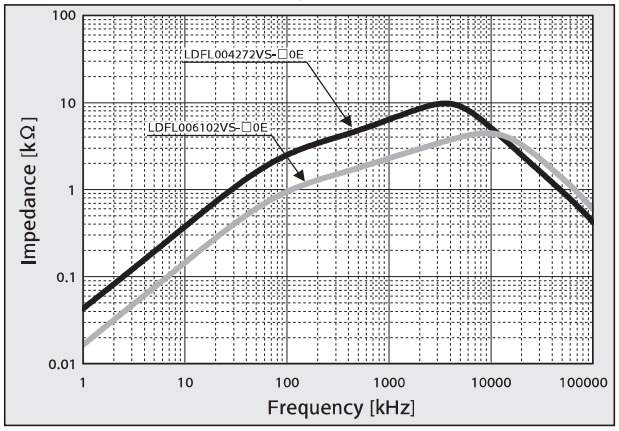
Coil Part No.*1	Core Part No.	Rated voltage [V]	Rated Current [A]	Inductance		D.C.R. mΩ (max)	Winding mmϕ× lines	Outside Dimensions			Frequency Characteristics Graph	Temperature rise Graph
				10kHz [mH]	100kHz [mH]			D1 [mm]	D2 [mm]	W [mm]		
LDFL004272VS-□0E	F110705	250	3.5	6.0	2.7	38	0.55×1P	15.0	16.0	12.0	1,2	A
LDFL006102VS-□0E			5.5	2.3	1.0	16	0.7×1P					
LDFL006832VD-□0E	F221407	250	5.5	18.3	8.3	26	0.9×1P	27.0	31.0	17.5	3,4	B
LDFL009412VD-□0E			9	9.1	4.1	16	1.1×1P					
LDFL012282VD-□0E			12	6.2	2.8	9.5	1.3×1P					
LDFL014172VD-□0E			14	3.8	1.7	7	1.4×1P					
LDFL007652V6-□0E	F221310	250	7	16.3	6.5	22	1.0×1P	29.0	31.0	21.0	5,6	C
LDFL010302V6-□0E			10	6.7	3.0	11	1.2×1P					
LDFL012202V6-□0E			12	4.5	2.0	7.5	1.3×1P					
LDFL008123VV-□0E	F251513	250	8	25.3	11.5	26	1.1×1P	30.5	34.0	23.5	7,8	D
LDFL011742VV-□0E			11	16.2	7.4	15	1.3×1P					
LDFL013412VV-□0E			13	9.1	4.1	12	1.4×1P					
LDFL015372VBU□0E	F281815	700	15	8.1	3.7	6.7	1.7×1P	36.0	40.0	29.5	9,10	E
LDFL021252VBU□0E			21	5.4	2.5	4.5	1.9×1P					
LDFL026152VBU□0E			26	3.3	1.5	2.9	1.5×2P					
LDFL020592VJU□0E	F372315	700	20	12.9	5.9	5.7	1.5×2P	48.0	50.0	32.5	11,12	F
LDFL027282VJU□0E			27	6.2	2.8	3.1	1.7×2P					
LDFL039172VJU□0E			39	3.7	1.7	1.5	2.0×2P					

*1 For Coil Part No., vertical type=V, horizontal type=H are used

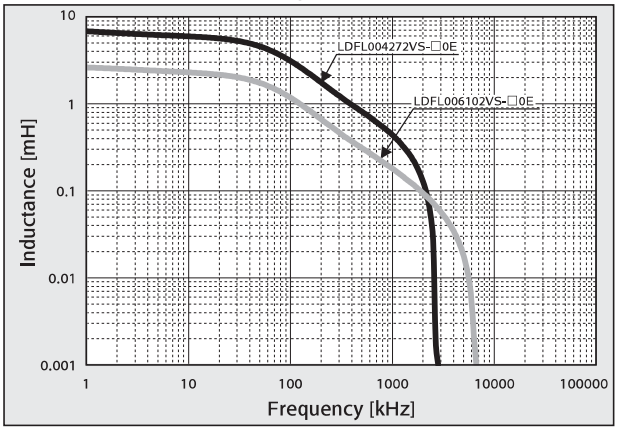
FL-V Series

Frequency Characteristics Ambient temperature : 25°C

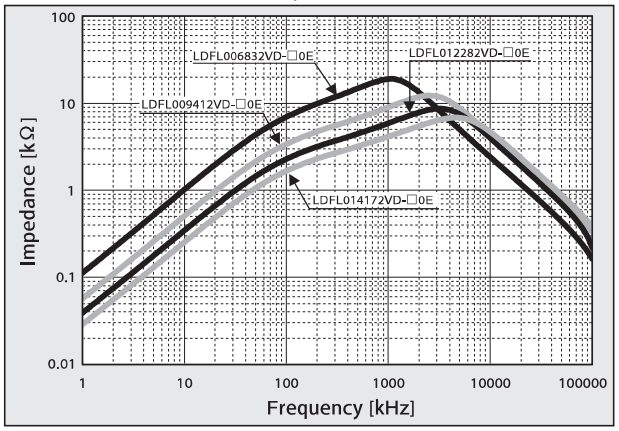
Graph-1 (VS)



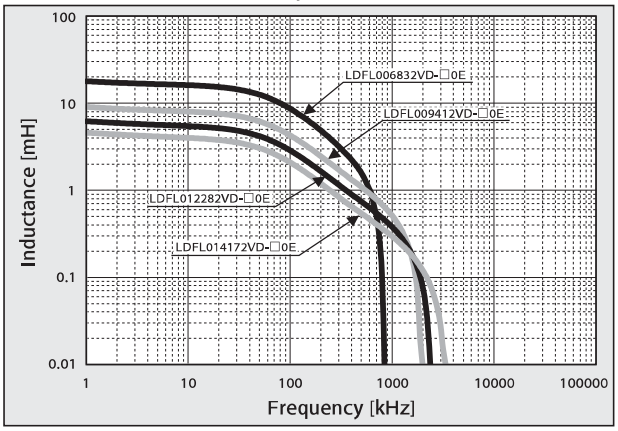
Graph-2 (VS)



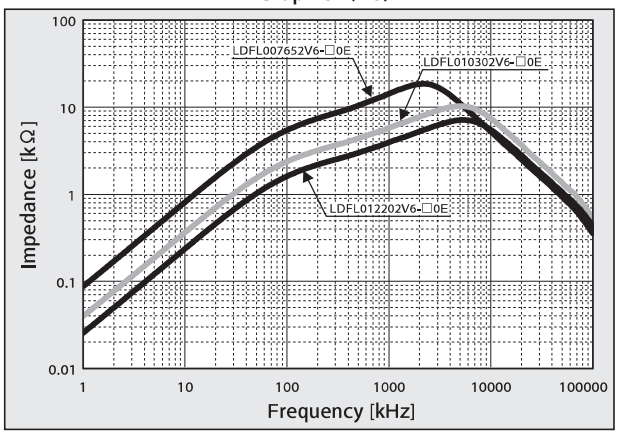
Graph-3 (VD)



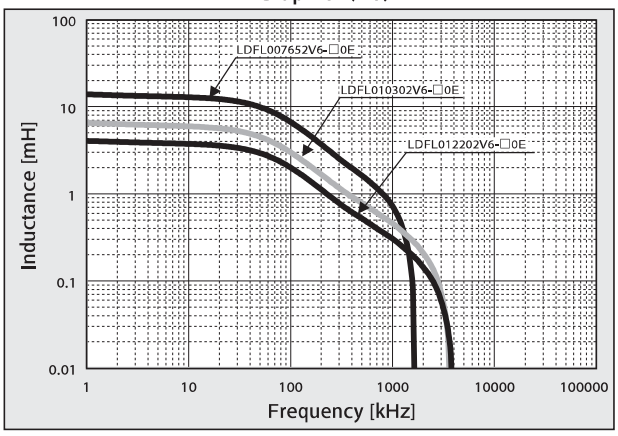
Graph-4 (VD)



Graph-5 (V6)



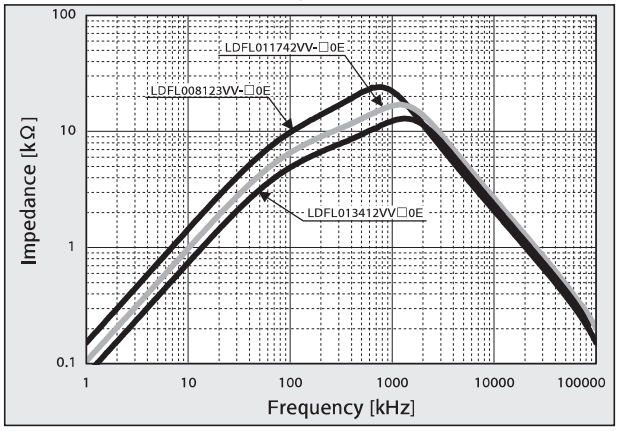
Graph-6 (V6)



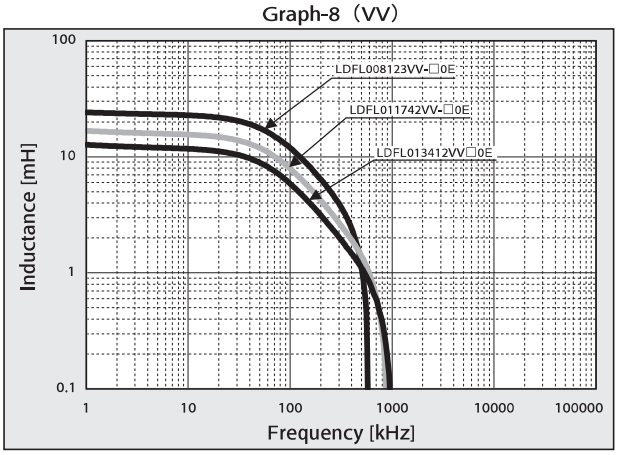
FL-V Series

Frequency Characteristics Ambient temperature : 25°C

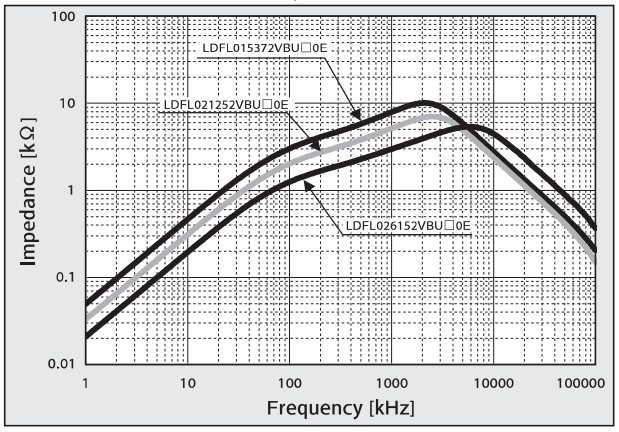
Graph-7 (VV)



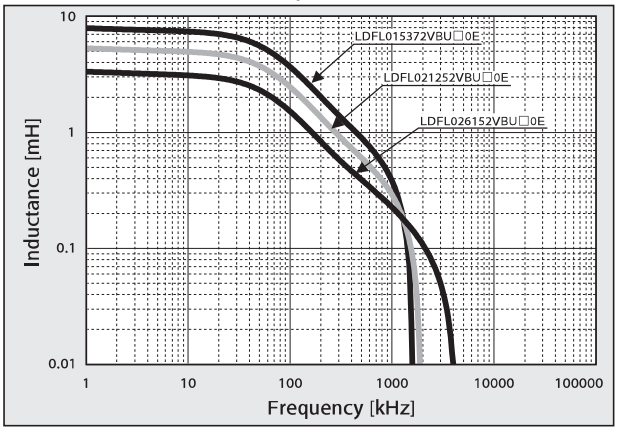
Graph-8 (VV)



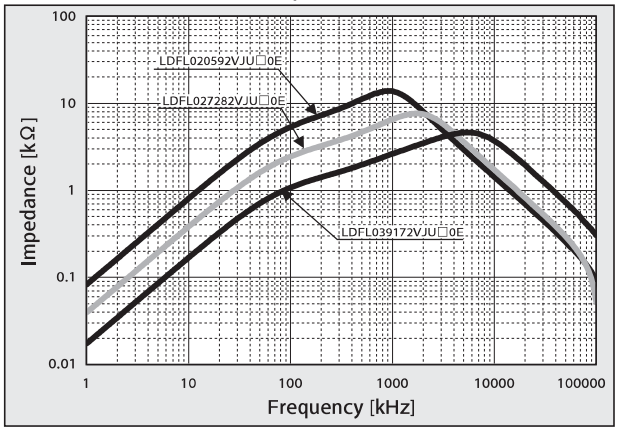
Graph-9 (VBU)



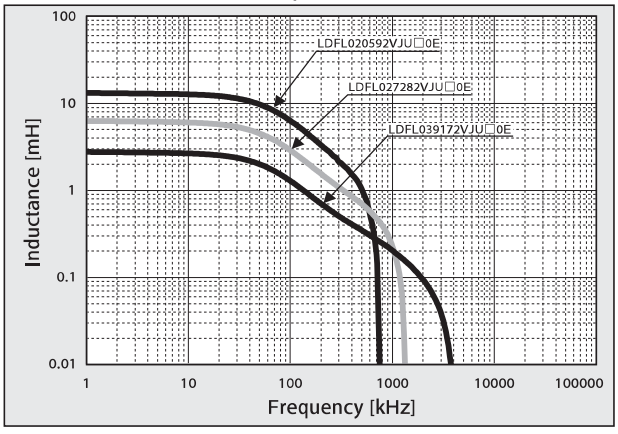
Graph-10 (VBU)



Graph-11 (VJU)



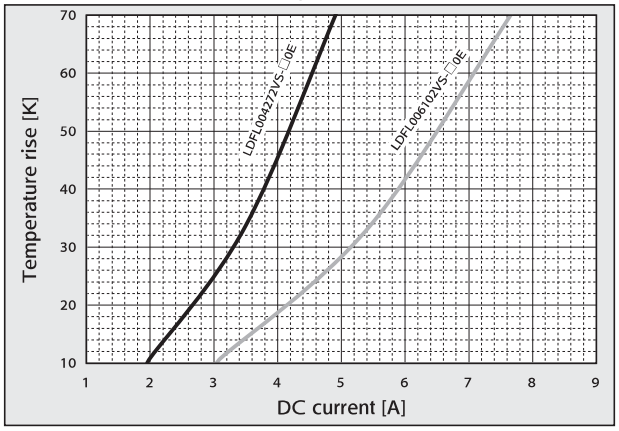
Graph-12 (VJU)



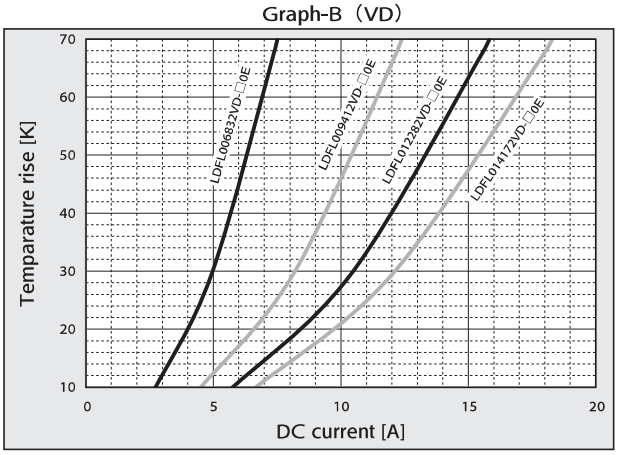
FL-V Series

Temperature rise Ambient temperature: 25°C （calm） Saturation temperature for the DC current flow
*** Installation conditions or the influence of heat emitted by surrounding components are not considered in this data.**

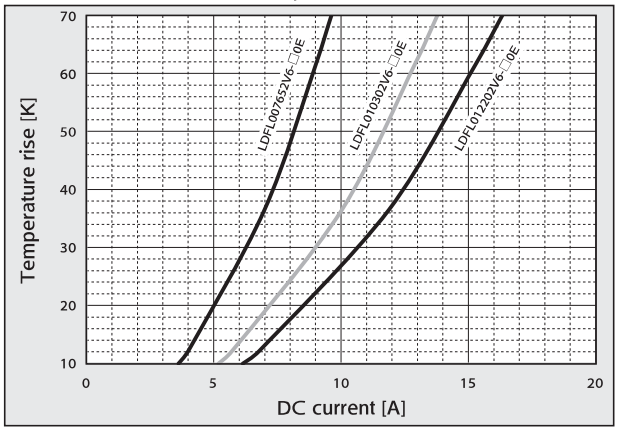
Graph-A（VS）



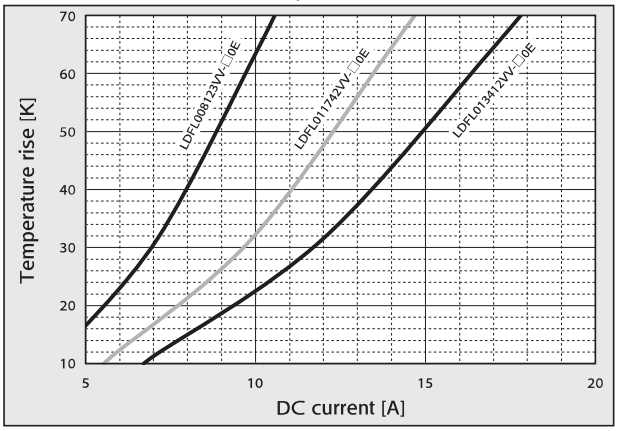
Graph-B（VD）



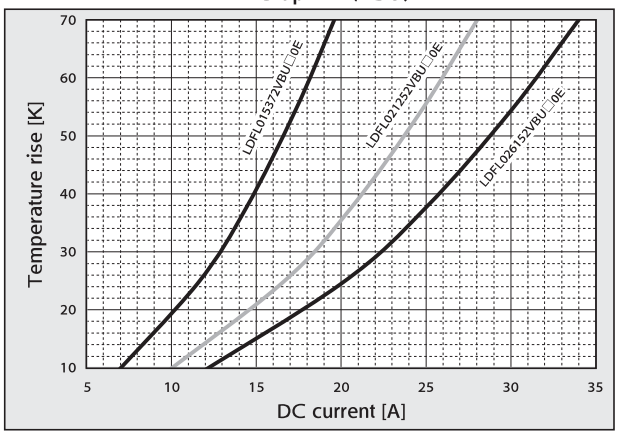
Graph-C（V6）



Graph-D（VV）



Graph-E（VBU）



Graph-F（VJU）