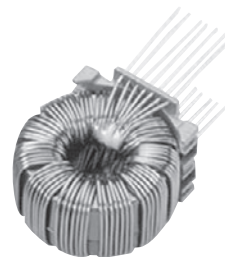


◆MAJOR USES

- For PFC (for high current) Normal mode noise filter

◆FEATURES

- Exhibits excellent DC superimposition characteristics of inductance.
- Reduced iron loss when compared to the AM Series



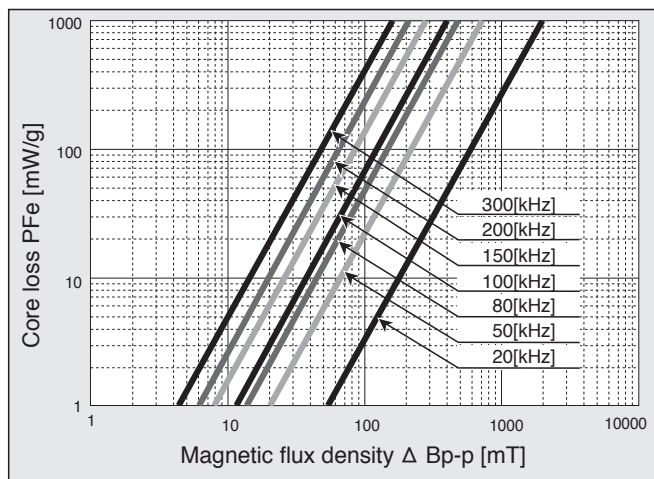
◆CORE STANDARD SPECIFICATIONS

Core Part No.	Abbreviation	Cross Sectional Area cm ²	Magnetic Path Length cm	Outside Dimensions			Inductance Coefficient AL Value		
				Outer Diameter mm	Width mm	Height mm	Idc=0[A] μH	Rated Current* μH	Rated Current Ampere Turn [AT]
LNW462715J2	WQ	1.254	11.5	49.4	22.7	18.0	0.076	0.061	1760
LNW462720J2	WC	1.634	11.5	49.4	22.7	23.0	0.094	0.080	1800
LNW462725J2	WK	2.043	11.5	49.4	22.7	28.0	0.133	0.106	1900
LNW603525J2	WL	2.688	14.9	66.7	29.3	29.2	0.135	0.109	2500

*100[kHz], ±25%

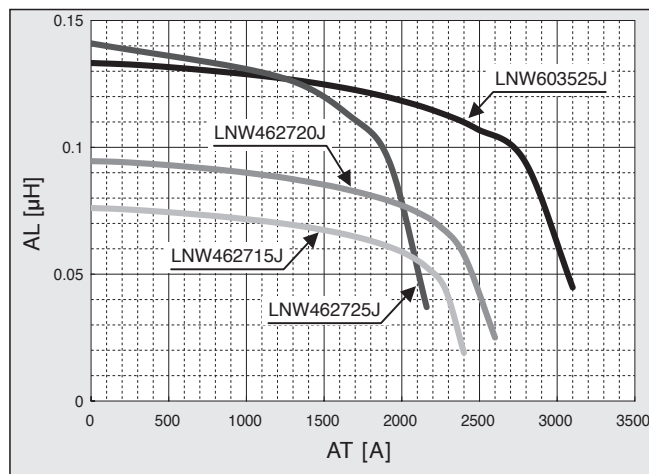
◆CORE LOSS CHARACTERISTICS (Magnetic Flux Density Dependency)

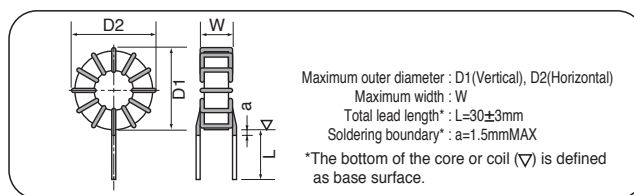
- AW choke



◆D.C. BIAS CHARACTERISTICS AL-AT

- AW core, Frequency : 100[kHz]





◆COIL STANDARD SPECIFICATIONS

Coil Part No.	Rated Current Arms	Peak Current A	Inductance (100kHz) ^{*1}		D.C.R. mΩ (max)	Winding mmφ×lines	Outside Dimensions		
			0[A] μH	Rating μH			D1 mm	D2 mm	W mm
◎ LAAW020251WKHV0E	20	28.3	270	250	20	1.0×5P	59.0	59.0	41.5
◎ LAAW030101WKHV0E	30	42.4	105	100	10	1.3×4P	57.0	57.0	41.5
LAAW040500WKHV0E	40	56.6	53	50	6	1.5×4P	57.0	57.0	41.5
LAAW020501WLHV0E	20	28.3	546	500	35	1.0×5P	78.5	78.5	46.0
LAAW030201WLHV0E	30	42.4	213	200	15	1.3×4P	78.5	78.5	46.0
LAAW040101WLHV0E	40	56.6	105	100	10	1.5×4P	78.5	78.5	46.0

*1 Rated inductance tolerance : ±25%, the inductance at current 0[A] indicates the reference value.

There is a horizontal putting type in all items in the above list."V"changes into "H" in last the third digit of the name of items.

There are the type with the length putting seat and the horizontal putting seat in ◎ item.

*Order the auxiliary pins separately if they are required for the pedestal.

Please select them according to the situation.

◆D.C. BIAS CHARACTERISTICS

●Core : LNW462725J2, LNW603525J2, Frequency : 100[kHz]

