NIPPON CHEMI-CON

AMORPHOUS CHOKE COILS

AW Series

(Reference sample)

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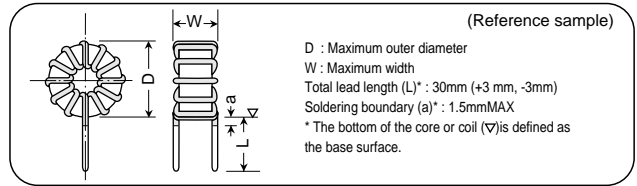* The bottom of the core or coil (▽)is defined as the base surface.

◆MAJOR USES

- For harmonic counter-measure active filter
- Inverter output smoothing choke coil

◆FEATURES

- Miniaturization in comparison with AM series coils by about 30 percent
- Excellent d.c. superposition characteristics

◆GENERAL SPECIFICATION

	P/N	Rated current Arms	Peak current A	Inductance *1 (100kHz)		D.C.R. mΩ (max)	Winding *2 mmφ×lines-turns	Outside dimension	
				0 [A] µH	Rating µH			D mm	W mm
◎	AW20251WKH	20	28.3	270	250	20	1.0x5p — 45T	59.0	41.5
◎	AW30101WKH	30	42.4	105	100	10	1.3x4p — 28T	57.0	41.5
	AW40500WKH	40	56.6	53	50	5	1.5x4p — 20T	57.0	41.5
	AW20501WLH	20	28.3	546	500	35	1.0x5p — 64T	78.5	46.0
	AW30201WLH	30	42.4	213	200	15	1.3x4p — 40T	78.5	46.0
	AW40101WLH	40	56.6	105	100	10	1.5x4p — 28T	78.5	46.0

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

*2 The number of turns indicates the reference value. The specification of the inductance takes precedence over that of the number of turns.

The coils of the lying type are also provided for all the items listed in the table above. For a coil of the type, the final symbol H in the part number should be changed to E in the table (e.g. AW30101WKE).
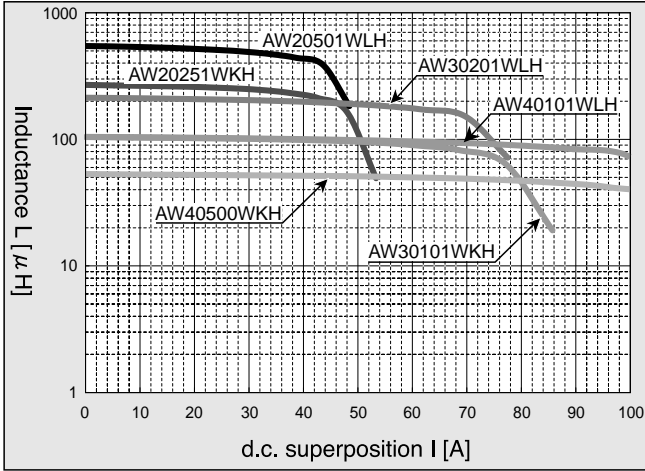
The items preceded by symbol ◎ include two types, or the depth type with pedestal and the bed type with pedestal. To order the item of the depth or bed type, add D or B at the end of the item of the item name respectively,
as shown in the examples below:(AW30101WKD for the depth type with pedestal) (AW30101WKB for the bed type with pedestal)
*Order the auxiliary pins separately if they are required for the pedestal.

CAT. No. E1008D

AW Series

◆dc-current pre-loadability <Example>
● Core : W462725J2, W603525J2, Frequency : 100 kHz

◆dc-current pre-loadability of AL-value <Example>
● AW Core, Frequency : 100 kHz

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