



Lead Ferrite Beads - CKBW/CKBU/CKBS

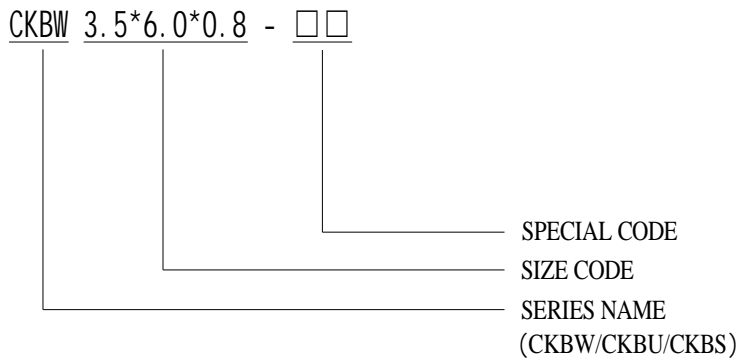
■ Features

1. Reducing radio frequency interference and noise.
2. Low cost, high reliability.

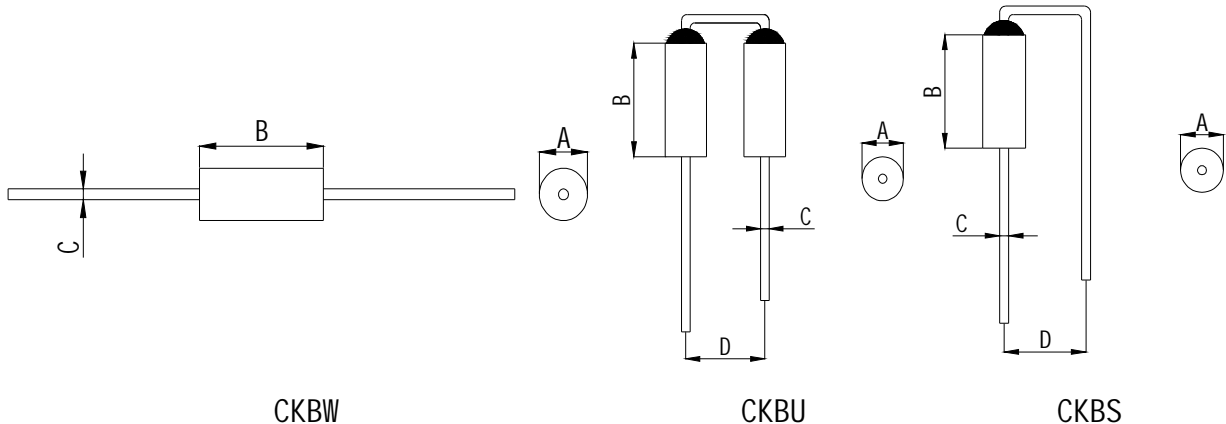
■ Applications

VGA card, EGA card, Mother board, TV game.

■ Part Numbering System



■ Dimensions and Construction



Dimensions in mm

Type	A(±0.2)	B(±0.3)	C(±0.1)	D(±0.8)
CKBW3.5*3.0*0.8	3.5	3.0	0.6	——
CKBW3.5*4.7*0.8	3.5	4.7	0.6	——
CKBW3.5*5.0*0.8	3.5	5.0	0.6	——
CKBW3.5*6.0*0.8	3.5	6.0	0.6	——
CKBW3.5*8.0*0.8	3.5	8.0	0.6	——
CKBW3.5*9.0*0.8	3.5	9.0	0.6	——
CKBU3.5*3.0*0.8	3.5	3.0	0.6	5.0
CKBU3.5*6.0*0.8	3.5	6.0	0.6	5.0
CKBU3.5*9.0*0.8	3.5	9.0	0.6	5.0
CKBS3.5*6.0*0.8	3.5	6.0	0.6	5.0
CKBS3.5*9.0*0.8	3.5	9.0	0.6	5.0

■ Electrical Characteristics

(1) Operating Temperature Ranges: -25~85°C.

(2) Rated Current: DC current that causes the temperature rise ($\Delta T \leq 40^\circ \text{C}$) from 20° C ambient.

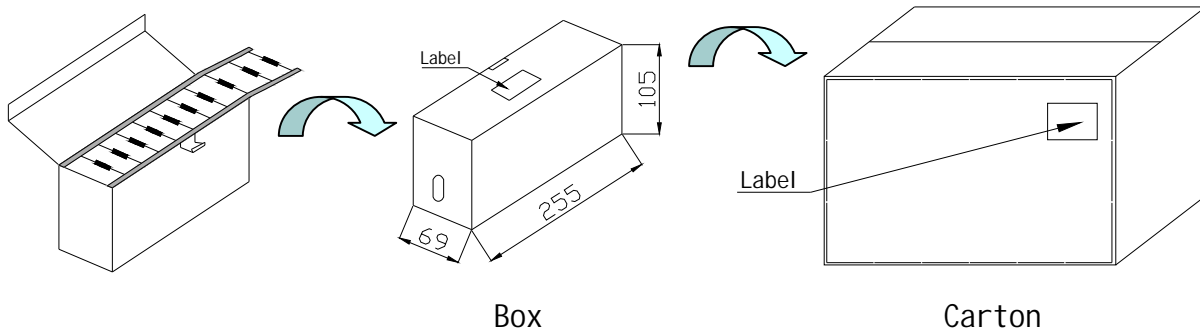
■ Electrical Parameters

Type	Impedance(Ω) @25MHz	Impedance(Ω) @100MHz
CKBW3.5*3.0*0.8	10	30
CKBW3.5*4.7*0.8	15	40
CKBW3.5*5.0*0.8	20	45
CKBW3.5*6.0*0.8	25	60
CKBW3.5*8.0*0.8	30	70
CKBW3.5*9.0*0.8	40	80
CKBU3.5*3.0*0.8	10	30
CKBU3.5*6.0*0.8	25	60
CKBU3.5*9.0*0.8	40	80
CKBS3.5*6.0*0.8	72	125
CKBS3.5*9.0*0.8	110	180

Special inquiries besides the above common used types can be met on your requirement.

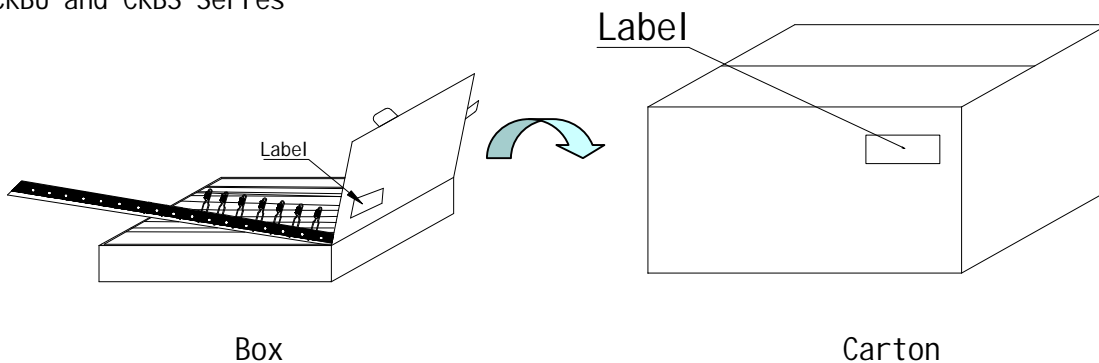
■ Packaging

1. CKBW Series



Quantity per Box	Quantity per Carton
2,000 Pcs	30,000 Pcs

2. CKBU and CKBS Series



Quantity per Box	Quantity per Carton
2,000 Pcs	20,000 Pcs



■ Reliability

GENERAL CHARACTERISTICS

STANDARD TESTING CONDITIONS

UNLESS OTHERWISE SPECIFIED, THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MEASUREMENTS AND TESTS ARE AS FOLLOWS: AMBIENT TEMPERATURE: 15°C ~ 35°C. RELATIVE HUMIDITY: 25% ~ 85%. AIR PRESSURE:

NO.	Items	Test Methods	Requirements
1	High temperature storage test	Temperature : 85°C ± 2°C Duration Time: 96 ± 4 Hours	No significant abnormality in appearance. Deviation relative to initial value: Z: Within ± 25%
2	Low temperature storage test	Temperature : -25°C ± 2°C Duration Time : 96 ± 4 Hours	
3	Humidity test	Temperature : 40°C ± 2°C Humidity : 90% ~ 95%RH Duration Time: 96 ± 4 Hours	
4	Thermal shock test	First -25 ± 5°C for 30 ± 3 minutes, last 85 ± 5°C 30 ± 3 minutes as 1 cycles. Go through 10 cycles.	
5	Resistance to soldering heat test	Fix the samples on a 1.6mm thickness PCB, then dip the sample leads into a soldering bath of 270 ± 5°C up to the PCB for 5 ± 1 seconds.	
6	Vibration test	The frequency range from 10 to 55 Hz and return to 10 Hz (amplitude of 1.5 mm) shall be traversed in approximately 1 minute. This motion shall be applied of 2 hours in each 3 mutually perpendicular directions (total of 6 hours).	
7	Solder ability test	Immerse the terminal in flux for 5 seconds. Then dip the terminal into a soldering bath of 245 ± 5°C for 2 ± 0.5 seconds.	