

Features

- Core material: Nickel-Zinc Ferrite;
- High suppression of asymmetrical interferences also at low frequency range;
- Very compact design;
- Highest possible rated current by small size;
- Flammability corresponding to UL 94 V-0;
- Certified according to IEC 60938-2;
- Operating temperature range $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise);



Application

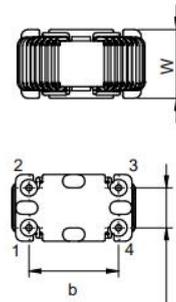
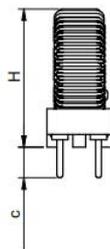
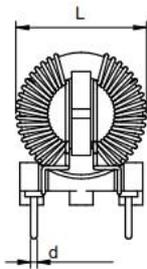
- Power line input and output filter.
- Filtering of devices without any ground connection.
- Suppression of radio interferences in motors.
- Suppression of common mode noise.

Product Identification

KCMBNZ 1915 - 32 N
 ① ② ③ ④

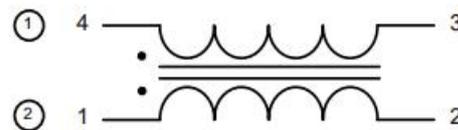
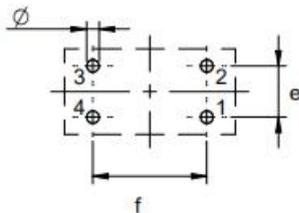
- ① Series name: Wire Wound Common Mode THT Choke
- ② Chip Size: 19×15×22mm
- ③ Inductance: 32uH
- ④ Tolerance: $\pm 30\%$

SHAPE AND DIMENSIONS



Recommended Layout:

Schematic:



Series	Mechanical Dimensions(mm)							Land Pattern(mm)		
	LMax	WMax	HMax	a	b	c	dTyp	e	f	Ø
KCMBNZ1915	19	15	22	5.0±0.5	7.7±0.5	3.5±0.5	0.9	5.0	7.7	1.1

SPECIFICATIONS

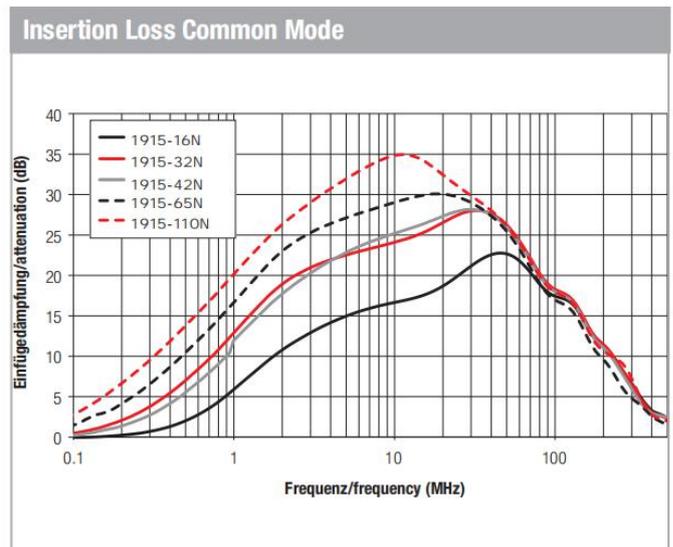
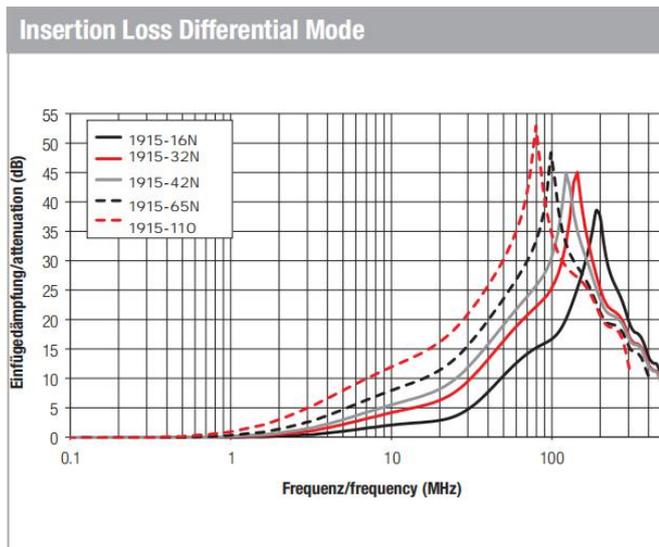
KCMBNZ 1915 Series

Part Number	L(μ H)	I _R (A)	DCR(m Ω)	U _R (Vac)	U _T (Vac)	Core Material	Test Condition
KCMBNZ1915-16N	16	10	2.7	250	250	Ni-Zn	10KHz/0.1mA
KCMBNZ1915-32N	32	8.5	5.5	250	250	Ni-Zn	10KHz/0.1mA
KCMBNZ1915-42N	42	6.5	8.1	250	250	Ni-Zn	10KHz/0.1mA
KCMBNZ1915-65N	65	5	13	250	250	Ni-Zn	10KHz/0.1mA
KCMBNZ1915-110N	110	3	31	250	250	Ni-Zn	10KHz/0.1mA

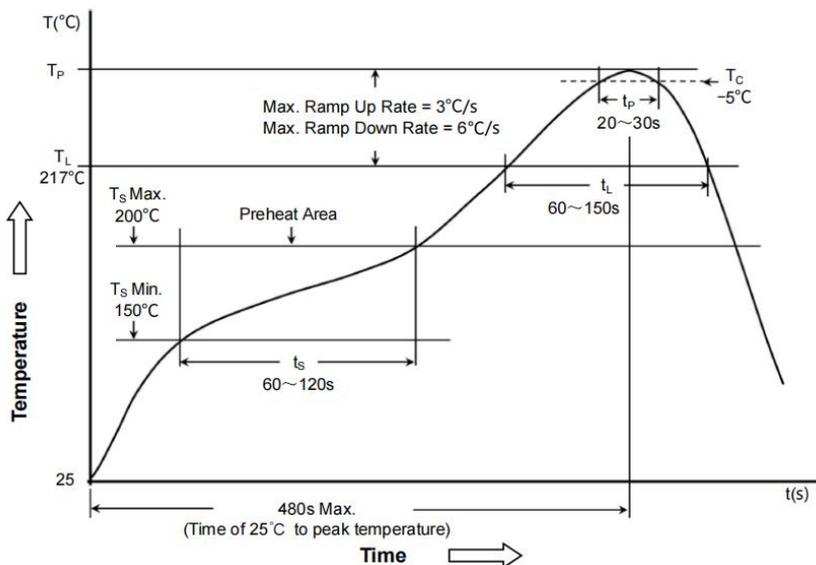
L: Inductance; I_R: Rated Current; U_R: Rated Voltage; U_T: Insulation Test Voltage

TYPICAL ELECTRICAL CHARACTERISTICS

KCMBNZ1915 series



SOLDERING SPECIFICATION



	Package Thickness	Package Volume		
		<350 mm ³	350~2000 mm ³	>2000 mm ³
PB-Free Assembly	<1.6mm	260 °C	260 °C	260 °C
	1.6~2.5mm	260 °C	250 °C	245 °C
	≥2.5mm	250 °C	245 °C	245 °C

- Reflow is referred to standard IPC/JEDEC J-STD-020D

NOTICE OF USE

- Product in packing storage condition : temperature 5~40 °C , RH<=70%;
- storage of KONEN Electronic products for longer than 12 months is not recommended, Within other effects, the terminals may suffer degradation, resulting in bad solderability. Therefore, all products shall be used within the period of 12 months based on the day of shipment;
- Do not keep products in unsuitable storage conditions, such as areas susceptible to high temperatures, high humidity, dust or corrosion;
- Always handle products with care;
- Don't touch electrodes directly with bare hands as oil secretions may inhibit soldering. Always ensure optimum conditions for soldering;
- When this product will be used on a similar or new project to the original one, sometimes it might be unable to satisfy the specifications due to different condition of usage;
- This inductor itself does not have any protective function in abnormal condition, such as overload, short-circuit, open-circuit conditions, etc. Therefore, it shall be confirmed that there is no risk of smoke, fire, dielectric withstand voltage, insulation resistance, etc., or use in abnormal conditions protective devices or protection circuit in the end product;
- Hi-Pot test with higher voltage than spec value will damage insulating material and shorten its life;
- If using in potting compound, the magnet wire coating might be damaged, please consult with us;
- Refrain from rinsing coils. If necessary, please consult with us.