

# Primary Single-Turn (LB) Series

The series of LB Miniature current transformers are designed specifically for integration into products which require exceptionally accurate primary signal transfor-mation while exposed to harsh environmental operating con-ditions. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.

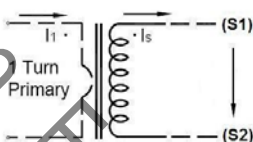
### ◆ Features

- Primary Single-Turn
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

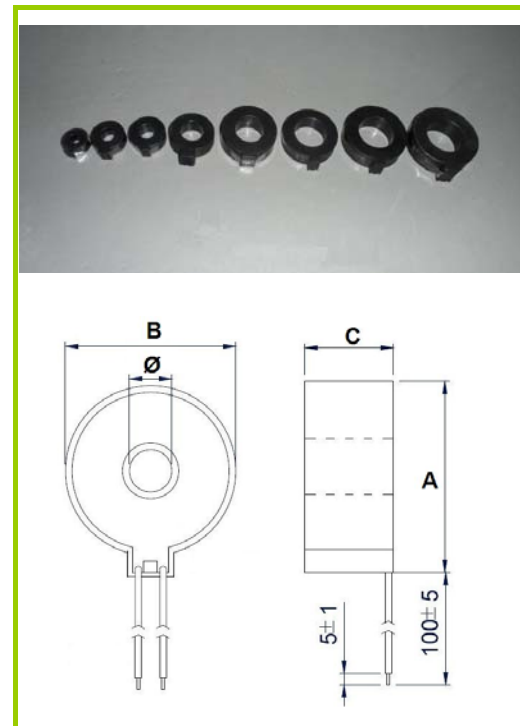
### ◆ Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Instrumentation,Current and power measurement for electric motors, lighting, air compressor,heating and ventilation system, air-condition equipment and automation – control system.
- Current, power and energy monitoring device.
- Relay protection device.

### ◆ Circuit connection diagram



### ◆ Technique Index



Electrical Parameter	
Frequency	50-400Hz
Rated Input	0-250A
Measuring range	5%In-120%In
Rated Output	0-100mA
Ratio	± 0.1%
Phase angle	≤ ±5 分
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/1000MΩ min

Mechanical Parameter	
Case	PBT /UL94-V0
Bobbin	PBT
Core	Permalloy or Nanocrystalline
Internal structure	Epoxy
Construction	----
Operating Temp	-25℃~+75℃
Operating Humidity	≤85%
Output Connection	Leads

### ◆ Type Selection

Mfg P/N	Rated Input (A)	Ratio	Burden (Ω)	Accuracy	Dimensions (mm)			
					Ø	A	B	C
LB-6.5	10A	1000: 1 2000: 1 2500: 1 3000: 1	≤50	0.1、0.2	6.5	19.0	17.0	7.0
LB-9.0	20A		≤100	0.1、0.2	9.0	25.0	22.0	8.2
LB-10.0	20A		≤100	0.1、0.2	10.0	26.0	24.0	9.0
LB-13.0	50A		≤200	0.1、0.2	13.0	43.2	37.8	14.0
LB-15.0	60A		≤200	0.1、0.2	15.0	36.0	30.0	9.2
LB-19.0	150A		≤200	0.1、0.2	19.0	40.0	38.0	12.9
LB-20.0	150A		≤200	0.1、0.2	20.0	45.0	43.4	18.0
LB-22.0	200A		≤200	0.1、0.2	22.0	38.5	40.0	10.0
LB-25.0	250A		≤200	0.1、0.2	25.0	49.0	45.0	12.0
LB-26.0	250A		≤200	0.1、0.2	26.0	53.0	48.0	14.0