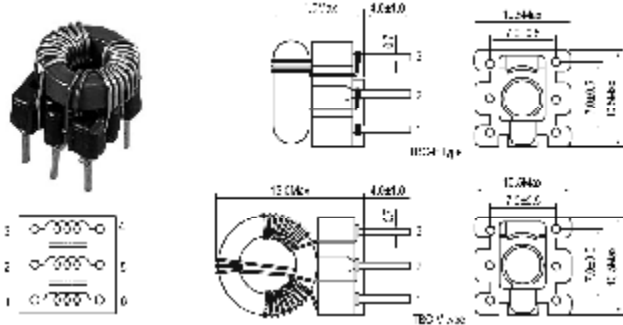




## LUMINOUS OSC COILS 【TBC-953 series】

### Shape and Dimensions(unit:mm) :



### Applications :

- Power supplies.
- Switching Circuits.
- Other oscillation circuits.

### Characteristics :

- Core initial permeability :2000 to 7000.
- Current rating :1.0 Amp max.
- Suggested frequency: 1kHz to 200kHz

### Product Identification :

**TBC - 953 - 414 - H - 0.4**

(1) (2) (3) (4) (5)

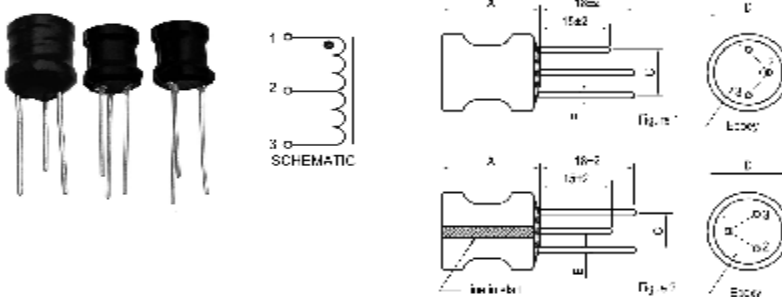
- (1) Type: Toroidal coils with base.
- (2) Style: Core size **OD=9, ID=5, HT=3mm**.
- (3) Turns ratio: **4T:1T:4T**
- (4) Mounting: **H**: Horizontal; **V**: vertical.
- (5) Wire Gauge: **0.40mm**.

### Features :

- OSC coils are oscillating coils used in circuit sto start oscillation.
- Core material is high permeability.
- UL 94 V-0 materials used for insulation.

## PK3W0608/0810/0912/1012/1016/1415 series

### Shape and Dimensions(unit:mm) :



Part No.	A max	C	D max	E	Figure
PK3W0608	11.0	3.0±1.0	7.5	0.65	2
PK3W0810	13.0	4.0±1.0	9.5	0.65	2
PK3W0912	15.0	5.0±1.0	10.5	0.65	2
PK3W1012	16.0	6.0±1.0	11.5	0.80	1
PK3W1016	20.0	6.0±1.0	12.0	0.80	1
PK3W1415	19.0	7.5±1.0	16.0	1.00	2

### Feature :

- Inductor for buzzers & alarm system.
- Low cost.
- Covered with UL tube.

### Characteristics :

- Rated DC Current: The current when temperature of coil increases up to Max.  $\Delta T=20^{\circ}\text{C}$ . ( $T_a=20^{\circ}\text{C}$ )
- Suggested frequency: 1KHz to 500KHz
- Operating temperature:  $-20^{\circ}\text{C}$  to  $80^{\circ}\text{C}$
- L tested by LCR meter @ 1KHz.

### Product Identification :

**PK3W 1012 - 192 : 1920 - UL**

(1) (2) (3) (4)

- (1) Type: **Peaking** coils shape with **3 pin**.
- (2) Style: Core size **OD=10, L=12mm**.
- (3) Turns ratio: **192T:1920T**
- (4) Sleeve: **UL**:UL tube,black, $125^{\circ}\text{C}$ ;No code, no sleeve

### Applications:

- Alarm system.
- Other oscillation circuits.

Part No.	Trun ratio	L(1~3)	DCR(1~3)	Rated Current
PK3W0608-300:1500-UL	300T : 1500T	82mH ±20%	380 Ω MAX	140mA max 160mA max
PK3W0810-320:1600-UL	320T : 1600T	120mH ±20%	240 Ω MAX	
PK3W0912-200:2000-UL	200T : 2000T	180mH ±20%	420 Ω MAX	
PK3W1012-192:1920-UL	192T : 1920T	170mH ±20%	220 Ω MAX	
PK3W1016-310:1650-UL	310T : 1650T	150mH ± 20%	145 Ω ± 20%	

\* Due to the limited space, the catalogue shows the typical specifications only.

For more specific details ( characteristics graph, reliability, and others), kindly invite you to access 3L official website [www.3lcoil.com](http://www.3lcoil.com) for better known.