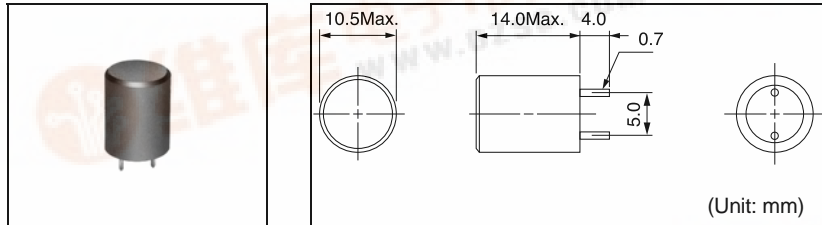


# 10RB

Inductance Range: 1.0~120mH

## DIMENSIONS / 外形寸法图



## FEATURES / 特長

- Magnetically shielded construction.
- Suitable for large current.
- RoHS compliant.
- 磁気シールド構造
- 大電流対応
- RoHS指令対応

## SELECTION GUIDE FOR STANDARD COILS

### TYPE 10RB

| 東光品番 <sup>(1)</sup>             | インダクタンス <sup>(2)</sup>         | 許容差           | Q <sup>(3)</sup>      | 直流抵抗                   | 最大許容電流 <sup>(4)</sup>                     | 自己共振周波数 <sup>(5)</sup>                            |
|---------------------------------|--------------------------------|---------------|-----------------------|------------------------|---|---|
| TOKO Part Number <sup>(1)</sup> | Inductance <sup>(2)</sup> (mH) | Tolerance (%) | Q <sup>(3)</sup> Min. | DC Resistance (Ω) Max. | Rated DC Current <sup>(4)</sup> (mA) Max. | Self-resonant Frequency <sup>(5)</sup> (MHz) Min. |
| #181LY-102()                    | 1.0                            | ±5, ±10       | 70                    | 3.4                    | 55  | 0.77  |
| #181LY-122()                    | 1.2                            | ±5, ±10       | 70                    | 3.7                    | 52  | 0.70  |
| #181LY-152()                    | 1.5                            | ±5, ±10       | 70                    | 4.0                    | 47  | 0.64  |
| #181LY-182()                    | 1.8                            | ±5, ±10       | 70                    | 4.5                    | 44  | 0.57  |
| #181LY-222()                    | 2.2                            | ±5, ±10       | 70                    | 5.2                    | 41  | 0.51  |
| #181LY-272()                    | 2.7                            | ±5, ±10       | 70                    | 5.8                    | 37  | 0.48  |
| #181LY-332()                    | 3.3                            | ±5, ±10       | 100                   | 6.1                    | 33  | 0.44  |
| #181LY-392()                    | 3.9                            | ±5, ±10       | 100                   | 7.2                    | 30  | 0.41  |
| #181LY-472()                    | 4.7                            | ±5, ±10       | 100                   | 7.5                    | 28  | 0.38  |
| #181LY-562()                    | 5.6                            | ±5, ±10       | 100                   | 8.4                    | 25  | 0.35  |
| #181LY-682()                    | 6.8                            | ±5, ±10       | 100                   | 9.7                    | 23  | 0.32  |
| #181LY-822()                    | 8.2                            | ±5, ±10       | 100                   | 10.4                   | 21  | 0.28  |
| #181LY-103()                    | 10.0                           | ±5, ±10       | 100                   | 12.1                   | 18  | 0.25  |
| #181LY-123()                    | 12.0                           | ±5, ±10       | 100                   | 13.0                   | 17  | 0.22  |
| #181LY-153()                    | 15.0                           | ±5, ±10       | 100                   | 15.0                   | 15  | 0.22  |
| #181LY-183()                    | 18.0                           | ±5, ±10       | 100                   | 17.0                   | 13  | 0.19  |
| #181LY-223()                    | 22.0                           | ±5, ±10       | 100                   | 19.5                   | 11  | 0.19  |
| #181LY-273()                    | 27.0                           | ±5, ±10       | 100                   | 22.0                   | 10  | 0.16  |
| #181LY-333()                    | 33.0                           | ±5, ±10       | 100                   | 26.0                   | 9   | 0.16  |
| #181LY-393()                    | 39.0                           | ±5, ±10       | 100                   | 45.0                   | 8   | 0.12  |
| #181LY-473()                    | 47.0                           | ±5, ±10       | 100                   | 52.0                   | 8   | 0.12  |
| #181LY-563()                    | 56.0                           | ±5, ±10       | 100                   | 58.0                   | 7   | 0.12  |
| #181LY-683()                    | 68.0                           | ±5, ±10       | 100                   | 67.0                   | 6   | 0.09  |
| #181LY-823()                    | 82.0                           | ±5, ±10       | 100                   | 71.0                   | 5   | 0.09  |
| #181LY-104()                    | 100.0                          | ±5, ±10       | 100                   | 82.0                   | 5   | 0.09  |
| #181LY-124()                    | 120.0                          | ±5, ±10       | 100                   | 97.0                   | 5   | 0.08  |

- (1) Add the tolerance code of Inductance to within the ( ) of the Part Number as follows: J=±5%, K=±10%
- (2) L measured at 1kHz with a universal bridge or equivalent.
- (3) Q measured at 50kHz with a Q meter YHP-4343B or equivalent.
- (4) Rated DC current is that at which the inductance value decreases by 10% by the excitation with DC current, measured at 1kHz with a universal bridge of equivalent.
- (5) Self-resonant frequency is for reference only.

- (1) ( )内はインダクタンスの許容差を表しておりますので、ご指定ください。J=±5%、K=±10%です。
- (2) インダクタンスはユニバーサルブリッジまたは同等品で測定する(測定周波数は1.0kHzです)。
- (3) QはQメーターYHP-4343Bまたは相当品で測定する(測定周波数は50kHzです)。
- (4) 最大許容電流は、ユニバーサルブリッジまたは同等品を使用、1kHzで測定したインダクタンス値が印加直流電流によって10%減少する時の値です。
- (5) 自己共振周波数は、参考値です。