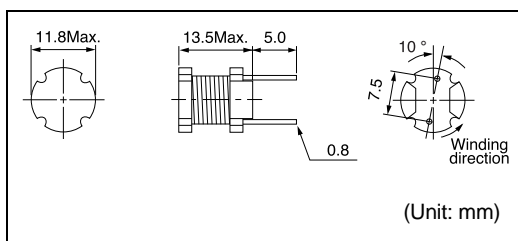


# 12RYB

 Inductance Range: 10~4700 $\mu$ H

**DIMENSIONS / 外形寸法図**

**FEATURES / 特長**

- Ideal as a choke coil for noise filtering and DC-DC Converter application.
- RoHS compliant.
- ノイズフィルタやDC-DCコンバータ用インダクタに最適
- RoHS指令対応

**SELECTION GUIDE FOR STANDARD COILS**
**TYPE 12RYB**

| 東光品番<br>TOKO<br>Part<br>Number | インダクタンス <sup>(1)</sup><br>Inductance <sup>(1)</sup><br>( $\mu$ H) | 許容差<br>Tolerance<br>(%) | 直流抵抗 <sup>(3)</sup><br>DC<br>Resistance <sup>(3)</sup><br>( $\Omega$ ) Max. | 最大許容電流 <sup>(2)</sup><br>Rated<br>DC Current <sup>(2)</sup><br>(A) Max. |
|--------------------------------|---|-------------------------|---|---|
| 7025LYF-100K                   | 10  | $\pm 10$                | 0.040   | 4.6   |
| 7025LYF-120K                   | 12  | $\pm 10$                | 0.044   | 4.2   |
| 7025LYF-150K                   | 15  | $\pm 10$                | 0.048   | 3.8   |
| 7025LYF-180K                   | 18  | $\pm 10$                | 0.054   | 3.4   |
| 7025LYF-220K                   | 22  | $\pm 10$                | 0.060   | 3.0   |
| 7025LYF-270K                   | 27  | $\pm 10$                | 0.068   | 2.8   |
| 7025LYF-330K                   | 33  | $\pm 10$                | 0.074   | 2.5   |
| 7025LYF-390K                   | 39  | $\pm 10$                | 0.081   | 2.3   |
| 7025LYF-470K                   | 47  | $\pm 10$                | 0.090   | 2.1   |
| 7025LYF-560K                   | 56  | $\pm 10$                | 0.10  | 1.9   |
| 7025LYF-680K                   | 68  | $\pm 10$                | 0.11  | 1.8   |
| 7025LYF-820K                   | 82  | $\pm 10$                | 0.13  | 1.6   |
| 7025LYF-101K                   | 100   | $\pm 10$                | 0.14  | 1.4   |
| 7025LYF-121K                   | 120   | $\pm 10$                | 0.16  | 1.3   |
| 7025LYF-151K                   | 150   | $\pm 10$                | 0.18  | 1.2   |
| 7025LYF-181K                   | 180   | $\pm 10$                | 0.20  | 1.1   |
| 7025LYF-221K                   | 220   | $\pm 10$                | 0.23  | 1.0   |
| 7025LYF-271K                   | 270   | $\pm 10$                | 0.26  | 0.90  |
| 7025LYF-331K                   | 330   | $\pm 10$                | 0.46  | 0.80  |
| 7025LYF-391K                   | 390   | $\pm 10$                | 0.51  | 0.70  |
| 7025LYF-471K                   | 470   | $\pm 10$                | 0.59  | 0.65  |
| 7025LYF-561K                   | 560   | $\pm 10$                | 0.65  | 0.62  |
| 7025LYF-681K                   | 680   | $\pm 10$                | 0.73  | 0.57  |
| 7025LYF-821K                   | 820   | $\pm 10$                | 0.84  | 0.52  |
| 7025LYF-102K                   | 1000  | $\pm 10$                | 1.40  | 0.46  |
| 7025LYF-122K                   | 1200  | $\pm 10$                | 1.50  | 0.42  |
| 7025LYF-152K                   | 1500  | $\pm 10$                | 1.80  | 0.38  |
| 7025LYF-182K                   | 1800  | $\pm 10$                | 2.00  | 0.35  |
| 7025LYF-222K                   | 2200  | $\pm 10$                | 2.20  | 0.31  |
| 7025LYF-272K                   | 2700  | $\pm 10$                | 2.60  | 0.28  |
| 7025LYF-332K                   | 3300  | $\pm 10$                | 3.50  | 0.26  |
| 7025LYF-392K                   | 3900  | $\pm 10$                | 4.00  | 0.24  |
| 7025LYF-472K                   | 4700  | $\pm 10$                | 4.50  | 0.22  |

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.  
Test frequency at 1.0kHz.

(2) Rated DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

(3) DC resistance is measured with a digital multimeter TR6871 (Advantest) or equivalent.

(1) インダクタンスはLCRメータ4284A(Agilent Technologies)または同等品により測定する。  
測定周波数は1.0kHzです。

(2) 最大許容電流は、直流重畳電流を流した時インダクタンスの値が初期値より10%減少する直流電流値、または直流電流により、コイルの温度が40℃上昇の何れか小さい値です。(周囲温度20℃を基準とする。)

(3) 直流抵抗はデジタルマルチメータTR6871(Advantest)または同等品により測定する。