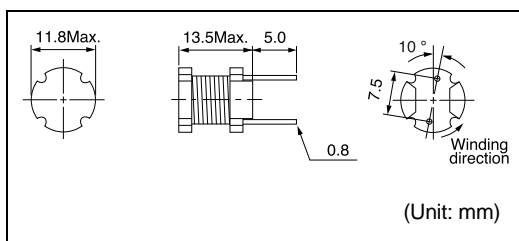


# 12RYB

 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。