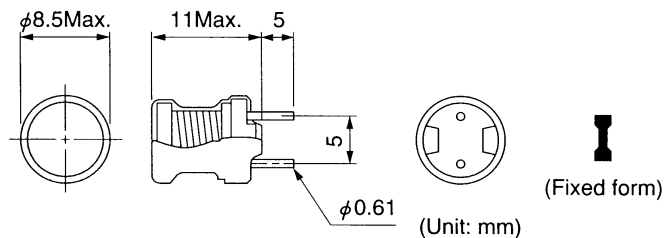


**TYPE 8RHB2**

Frequency Range: 1-200kHz

Inductance Range: 1.0-1000μH

Temperature Coefficient: 400ppm/°C, max.


**Features**

- Ideal as a choke coil for noise filtering and DC/DC convertor applications.

Note: Taped form is Type 8RHT2

**STANDARD PARTS SELECTION GUIDE**

- (1) Inductance is measured with a LCD meter 4284A (HP) or equivalent.
- (2) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 20°C, whichever is smaller. (Reference ambient temperature 20°C)
- (3) Self-resonant frequency is measured with a network analyzer model 3577(HP), MS560J(Anritsu), or equivalent.
- (4) DC resistance is measured with a digital multimeter TR6871 (Advantest) or equivalent.
- (5) Self-resonant frequency is for Reference Only.

**TYPE 8RHB2**

| TOKO Part Number | Inductance <sup>(1)</sup><br>L (μH) | Test Frequency<br>L (kHz) | DC Resistance <sup>(4)</sup><br>(Ω) max. | Rated DC Current <sup>(2)</sup><br>(A) max. | Self Resonant Frequency <sup>(3), (5)</sup><br>(MHz) min. |
|------------------|-------------------------------------|---------------------------|------------------------------------------|---------------------------------------------|-----------------------------------------------------------|
| 822LY-1R0M       | 1.0±20%                             | 1                         | 0.013                                    | 3.71                                        | 150                                                       |
| 822LY-1R5M       | 1.5±20%                             | 1                         | 0.016                                    | 3.32                                        | 130                                                       |
| 822LY-2R2M       | 2.2±20%                             | 1                         | 0.021                                    | 3.15                                        | 100                                                       |
| 822LY-3R3M       | 3.3±20%                             | 1                         | 0.025                                    | 2.66                                        | 79                                                        |
| 822LY-4R7M       | 4.7±20%                             | 1                         | 0.030                                    | 2.27                                        | 51                                                        |
| 822LY-6R8M       | 6.8±20%                             | 1                         | 0.035                                    | 2.10                                        | 29                                                        |
| 822LY-100K       | 10±10%                              | 1                         | 0.045                                    | 1.96                                        | 14                                                        |
| 822LY-120K       | 12±10%                              | 1                         | 0.050                                    | 1.82                                        | 13                                                        |
| 822LY-150K       | 15±10%                              | 1                         | 0.056                                    | 1.75                                        | 12                                                        |
| 822LY-180K       | 18±10%                              | 1                         | 0.061                                    | 1.54                                        | 11                                                        |
| 822LY-220K       | 22±10%                              | 1                         | 0.070                                    | 1.29                                        | 9.2                                                       |
| 822LY-270K       | 27±10%                              | 1                         | 0.080                                    | 1.22                                        | 8.5                                                       |
| 822LY-330K       | 33±10%                              | 1                         | 0.090                                    | 1.17                                        | 7.8                                                       |
| 822LY-390K       | 39±10%                              | 1                         | 0.10                                     | 1.14                                        | 6.9                                                       |
| 822LY-470K       | 47±10%                              | 1                         | 0.17                                     | 0.79                                        | 6.5                                                       |
| 822LY-560K       | 56±10%                              | 1                         | 0.20                                     | 0.76                                        | 5.4                                                       |
| 822LY-680K       | 68±10%                              | 1                         | 0.22                                     | 0.70                                        | 4.9                                                       |
| 822LY-820K       | 82±10%                              | 1                         | 0.25                                     | 0.67                                        | 4.1                                                       |
| 822LY-101K       | 100±10%                             | 1                         | 0.28                                     | 0.58                                        | 3.7                                                       |
| 822LY-121K       | 120±10%                             | 1                         | 0.32                                     | 0.56                                        | 3.4                                                       |
| 822LY-151K       | 150±10%                             | 1                         | 0.54                                     | 0.42                                        | 3.2                                                       |
| 822LY-181K       | 180±10%                             | 1                         | 0.60                                     | 0.40                                        | 2.8                                                       |
| 822LY-221K       | 220±10%                             | 1                         | 0.68                                     | 0.38                                        | 2.7                                                       |
| 822LY-271K       | 270±10%                             | 1                         | 0.80                                     | 0.35                                        | 2.4                                                       |
| 822LY-331K       | 330±10%                             | 1                         | 0.90                                     | 0.33                                        | 2.3                                                       |
| 822LY-391K       | 390±10%                             | 1                         | 1.2                                      | 0.28                                        | 2.1                                                       |
| 822LY-471K       | 470±10%                             | 1                         | 1.37                                     | 0.25                                        | 1.9                                                       |
| 822LY-561K       | 560±10%                             | 1                         | 1.53                                     | 0.23                                        | 1.8                                                       |
| 822LY-681K       | 680±10%                             | 1                         | 2.0                                      | 0.21                                        | 1.6                                                       |
| 822LY-821K       | 820±10%                             | 1                         | 2.7                                      | 0.18                                        | 1.5                                                       |
| 822LY-102K       | 1,000±10%                           | 1                         | 2.96                                     | 0.16                                        | 1.3                                                       |