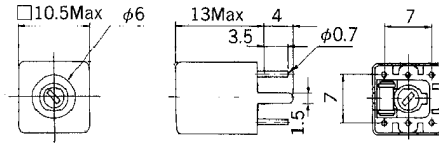


## 10mm TYPE 10K

**Frequency Range:** 2-120MHz**Inductance Range:** 0.08-82 $\mu$ H**Temperature Coefficient:** Inductor TC (L) 220 $\pm$ 150ppm/ $^{\circ}$ C max  
With Internal Capacitor TC (F) 0 $\pm$ 150ppm/ $^{\circ}$ C**Internal Capacitance Values:** 5-100pF <sup>(1)</sup>

(Unit: mm)

**Features**

- Spiral wound with high number of closely spaced slots on form yields low distributed capacitance, low temperature coefficient, and added stability in humid conditions.
- Automatic insertion packaging available.

## STANDARD COILS SELECTION GUIDE

(1) As an option, this type is available with a funnel tapered slot for automatic alignment machines.

**TYPE 10K**

| TOKO Part Number | Inductance Range ( $\mu$ H) | Q (min.) | Test Frequency (MHz) | Shield |
|------------------|-----------------------------|----------|----------------------|--------|
| BTKENS-T1043Z    | 0.08 $\pm$ 2%               | 50       | 75.0                 | YES    |
| BTKENS-T1044Z    | 0.10 $\pm$ 6%               | 60       | 75.0                 | YES    |
| BTKENS-T1045Z    | 0.15 $\pm$ 6%               | 60       | 75.0                 | YES    |
| BTKENS-T1046Z    | 0.22 $\pm$ 6%               | 60       | 75.0                 | YES    |
| BTKXNS-T1047Z    | 0.33 $\pm$ 6%               | 60       | 45.0                 | YES    |
| BTKXNS-T1048Z    | 0.47 $\pm$ 6%               | 70       | 45.0                 | YES    |
| BTKXNS-9455HM    | 0.47 $\pm$ 6%               | 80       | 25.2                 | YES    |
| TKXNF-9427HM     | 0.47 $\pm$ 6%               | 80       | 25.2                 | NO     |
| BTKXNS-9454HM    | 0.56 $\pm$ 6%               | 80       | 25.2                 | YES    |
| TKXNF-9426HM     | 0.56 $\pm$ 6%               | 80       | 25.2                 | NO     |
| BTKXNS-T1049Z    | 0.68 $\pm$ 6%               | 70       | 45.0                 | YES    |
| BTKXNS-9453HM    | 0.68 $\pm$ 6%               | 100      | 25.2                 | YES    |
| TKXNF-9425HM     | 0.68 $\pm$ 6%               | 80       | 25.2                 | NO     |
| BTKXNS-9452HM    | 0.82 $\pm$ 6%               | 100      | 25.2                 | YES    |
| TKXNF-9424HM     | 0.82 $\pm$ 6%               | 80       | 25.2                 | NO     |
| BTKXNS-T1050Z    | 1.00 $\pm$ 6%               | 80       | 25.2                 | YES    |
| TKXNS-9451HM     | 1.0 $\pm$ 6%                | 100      | 25.2                 | YES    |
| TKXNF-9423HM     | 1.0 $\pm$ 6%                | 80       | 25.2                 | NO     |
| BTKANS-9450HM    | 1.2 $\pm$ 6%                | 60       | 7.96                 | YES    |
| TKANF-9422HM     | 1.2 $\pm$ 6%                | 50       | 7.96                 | NO     |
| BTKANS-9449HM    | 1.5 $\pm$ 6%                | 60       | 7.96                 | YES    |
| TKANF-9421HM     | 1.5 $\pm$ 6%                | 55       | 7.96                 | NO     |
| BTKANS-9448HM    | 1.8 $\pm$ 6%                | 60       | 7.96                 | YES    |
| TKANF-9420HM     | 1.8 $\pm$ 6%                | 60       | 7.96                 | NO     |
| BKTANS-9447HM    | 2.2 $\pm$ 6%                | 60       | 7.96                 | YES    |
| TKANF-9419HM     | 2.2 $\pm$ 6%                | 65       | 7.96                 | NO     |
| BTKANS-9446HM    | 2.7 $\pm$ 6%                | 70       | 7.96                 | YES    |
| TKANF-9418HM     | 2.7 $\pm$ 6%                | 65       | 7.96                 | NO     |
| BTKANS-9445HM    | 3.3 $\pm$ 6%                | 70       | 7.96                 | YES    |

continued from previous page

## STANDARD COILS SELECTION GUIDE

| <b>TYPE 10K (cont.)</b> |                                    |          |                      |        |  |
|-------------------------|------------------------------------|----------|----------------------|--------|--|
| TOKO Part Number        | Inductance Range ( $\mu\text{H}$ ) | Q (min.) | Test Frequency (MHz) | Shield |  |
| TKANF-9417HM            | 3.3±6%                             | 70       | 7.96                 | NO     |  |
| TKAN-9444HM             | 3.9±6%                             | 70       | 7.96                 | YES    |  |
| TKANF-9416HM            | 3.9±6%                             | 70       | 7.96                 | NO     |  |
| BTKANS-9443HM           | 4.7±6%                             | 70       | 7.96                 | YES    |  |
| TKANF-9415HM            | 4.7±6%                             | 65       | 7.96                 | NO     |  |
| TKAN-9442HM             | 5.6±6%                             | 70       | 7.96                 | YES    |  |
| TKANF-9414HM            | 5.6±6%                             | 70       | 7.96                 | NO     |  |
| BTKANS-9441HM           | 6.8±6%                             | 70       | 7.96                 | YES    |  |
| TKANF-9413HM            | 6.8±6%                             | 60       | 7.96                 | NO     |  |
| TKAN-9440HM             | 8.2±6%                             | 70       | 7.96                 | YES    |  |
| TKANF-9412HM            | 8.2±6%                             | 70       | 7.96                 | NO     |  |
| BTKANS-9439HM           | 10.0±6%                            | 70       | 7.96                 | YES    |  |
| TKANF-9411HM            | 10.0±6%                            | 70       | 7.96                 | NO     |  |
| TKAN-9438HM             | 12.0±6%                            | 55       | 2.52                 | YES    |  |
| TKANF-9410HM            | 12.0±6%                            | 60       | 2.52                 | NO     |  |
| BTKANS-9437HM           | 15.0±6%                            | 50       | 2.52                 | YES    |  |
| TKANF-9409HM            | 15.0±6%                            | 60       | 2.52                 | NO     |  |
| TKAN-9436HM             | 18.0±6%                            | 50       | 2.52                 | YES    |  |
| TKANF-9408HM            | 18.0±6%                            | 50       | 2.52                 | NO     |  |
| BTKANS-9435HM           | 22.0±6%                            | 50       | 2.52                 | YES    |  |
| TKANF-9407HM            | 22.0±6%                            | 45       | 2.52                 | NO     |  |
| TKAN-9434HM             | 27.0±6%                            | 50       | 2.52                 | YES    |  |
| TKANF-9406HM            | 27.0±6%                            | 50       | 2.52                 | NO     |  |
| BTKANS-9433HM           | 33.0±6%                            | 50       | 2.52                 | YES    |  |
| TKANF-9405HM            | 33.0±6%                            | 50       | 2.52                 | NO     |  |
| BTKANS-9432HM           | 39.0±6%                            | 45       | 2.52                 | YES    |  |
| TKANF-9404HM            | 39.0±6%                            | 50       | 2.52                 | NO     |  |
| BTKANS-9431HM           | 47.0±6%                            | 45       | 2.52                 | YES    |  |
| TKANF-9403HM            | 47.0±6%                            | 50       | 2.52                 | NO     |  |
| BTKANS-9430HM           | 56.0±6%                            | 50       | 2.52                 | YES    |  |
| TKANF-9402HM            | 56.0±6%                            | 50       | 2.52                 | NO     |  |
| BTKANS-9429HM           | 68.0±8%                            | 50       | 2.52                 | YES    |  |
| TKANF-9401HM            | 68.0±6%                            | 60       | 2.52                 | NO     |  |
| BTKANS-9428HM           | 82.0±8%                            | 50       | 2.52                 | YES    |  |
| TKANF-9400HM            | 82.0±6%                            | 60       | 2.52                 | NO     |  |

| <b>TYPE 10K with Internal Capacitor (Detector coil for quadrature coil)</b> |  |             |         |        |        |                      |
|---|--|-------------|---------|--------|--------|----------------------|
| TOKO Part Number  | Tuning Capacitance <sup>(1)</sup> (pF) | Turns Ratio |         | Others | Q      | Test Frequency (MHz) |
|   |  | 1-3/2-3     | 1-3/4-6 |        |        |                      |
| TKACS-6184A   | 82 + 5 (ext)                           | 13:3        | 13:3    |        | 65±20% | 10.7                 |
| BTKAC-28551Z  | 100 + 0 (ext)                          |             |         |        | 55±20% | 5.5                  |
| YBTKAES-29882Z  | 47 + 10 (ext)                          |             |         |        | 55±20% | 4.5                  |
| YTKAEAS-29377Z  | 82 + 0 (ext)                           |             |         |        | 60±20% | 10.7                 |