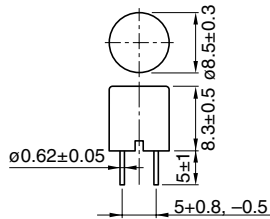


## SHAPES AND DIMENSIONS



Weight: 1.5g

Dimensions in mm



## ELECTRICAL CHARACTERISTICS

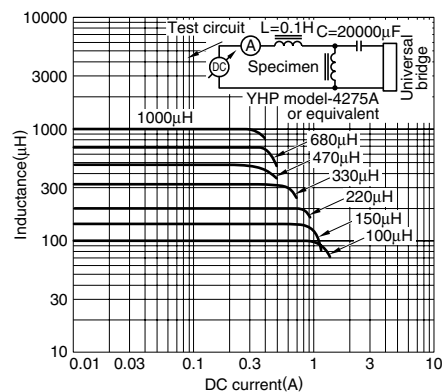
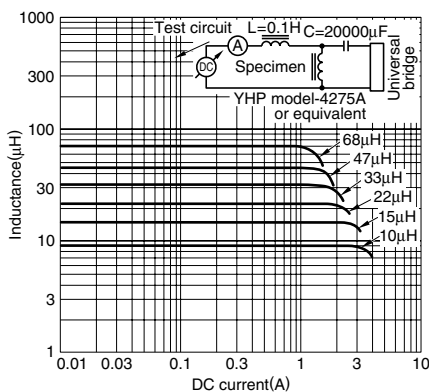
| Inductance<br>( $\mu$ H) | Inductance<br>tolerance | Q<br>min. | Test<br>frequency<br>L/Q (Hz) | Self-resonant<br>frequency<br>(MHz)min. | DC<br>resistance<br>( $\Omega$ )max. | Rated current (A)*1max.       |                              | Part No.              |
|--------------------------|-------------------------|-----------|-------------------------------|-----------------------------------------|--------------------------------------|-------------------------------|------------------------------|-----------------------|
|                          |                         |           |                               |                                         |                                      | Based on inductance<br>change | Based on<br>temperature rise |                       |
| 2.2                      | ±20%                    | 10        | 1k/7.96M                      | 45                                      | 0.015                                | 5.6                           | 3.9                          | TSL0808□*2-2R2M3R9-PF |
| 3.3                      | ±20%                    | 10        | 1k/7.96M                      | 34                                      | 0.017                                | 4.5                           | 3.8                          | TSL0808□-3R3M3R8-PF   |
| 4.7                      | ±20%                    | 10        | 1k/7.96M                      | 27                                      | 0.021                                | 3.8                           | 3.5                          | TSL0808□-4R7M3R5-PF   |
| 6.8                      | ±20%                    | 10        | 1k/7.96M                      | 22                                      | 0.025                                | 3.2                           | 3.1                          | TSL0808□-6R8M3R1-PF   |
| 10                       | ±10%                    | 20        | 1k/2.52M                      | 17                                      | 0.031                                | 2.6                           | 2.7                          | TSL0808□-100K2R6-PF   |
| 15                       | ±10%                    | 20        | 1k/2.52M                      | 13                                      | 0.042                                | 2.1                           | 2.4                          | TSL0808□-150K2R1-PF   |
| 22                       | ±10%                    | 20        | 1k/2.52M                      | 10                                      | 0.07                                 | 1.7                           | 1.9                          | TSL0808□-220K1R7-PF   |
| 33                       | ±10%                    | 20        | 1k/2.52M                      | 8                                       | 0.092                                | 1.4                           | 1.5                          | TSL0808□-330K1R4-PF   |
| 47                       | ±10%                    | 20        | 1k/2.52M                      | 6.5                                     | 0.13                                 | 1.2                           | 1.3                          | TSL0808□-470K1R2-PF   |
| 68                       | ±10%                    | 20        | 1k/2.52M                      | 5.4                                     | 0.16                                 | 1                             | 1.1                          | TSL0808□-680K1R0-PF   |
| 100                      | ±10%                    | 20        | 1k/796k                       | 4.4                                     | 0.25                                 | 0.8                           | 0.94                         | TSL0808□-101KR80-PF   |
| 150                      | ±10%                    | 20        | 1k/796k                       | 3.6                                     | 0.4                                  | 0.67                          | 0.73                         | TSL0808□-151KR67-PF   |
| 220                      | ±10%                    | 15        | 1k/796k                       | 2.9                                     | 0.53                                 | 0.54                          | 0.64                         | TSL0808□-221KR54-PF   |
| 330                      | ±10%                    | 15        | 1k/796k                       | 2.4                                     | 0.78                                 | 0.45                          | 0.52                         | TSL0808□-331KR45-PF   |
| 470                      | ±10%                    | 15        | 1k/796k                       | 2                                       | 1                                    | 0.38                          | 0.46                         | TSL0808□-471KR38-PF   |
| 680                      | ±10%                    | 15        | 1k/796k                       | 1.6                                     | 1.5                                  | 0.32                          | 0.37                         | TSL0808□-681KR32-PF   |
| 1000                     | ±10%                    | 30        | 1k/252k                       | 1.3                                     | 2.2                                  | 0.26                          | 0.3                          | TSL0808□-102KR26-PF   |
| 1500                     | ±10%                    | 30        | 1k/252k                       | 1.1                                     | 3.5                                  | 0.21                          | 0.25                         | TSL0808□-152KR21-PF   |
| 2200                     | ±10%                    | 50        | 1k/252k                       | 0.88                                    | 6.4                                  | 0.17                          | 0.21                         | TSL0808□-222KR17-PF   |
| 3300                     | ±10%                    | 50        | 1k/252k                       | 0.71                                    | 8.5                                  | 0.14                          | 0.16                         | TSL0808□-332KR14-PF   |
| 4700                     | ±5%                     | 50        | 1k/252k                       | 0.68                                    | 12.2                                 | 0.15                          | 0.13                         | TSL0808□-472JR13-PF   |

\*1 Rated current: Value obtained when current flows and the temperature has risen to 25°C or when DC current flows and the initial value of inductance has fallen by 10%, whichever is smaller.

\*2 □: Please specify packaging style, S(Bulk) or RA(Taping).

## TYPICAL ELECTRICAL CHARACTERISTICS

### INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS



• All specifications are subject to change without notice.