

# **Radial Lead Inductors**

# TSL series

Type: TSL0709

TSL0808 TSL1112 TSL1315

Issue date: November 2010

<sup>•</sup> All specifications are subject to change without notice.

<sup>•</sup> Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.



#### **Conformity to RoHS Directive**

# TSL Series TSL0709

#### **FEATURES**

- The TSL series feature low DC resistance and high current handling capacities, making them ideal for power supply line applications.
- These parts are manufactured to a high degree of dimensional accuracy using non-flammable material (UL94V-0).
- Available in tape packaging to support automated mounting machines.
- It is a product conforming to RoHS directive.

#### **APPLICATIONS**

Televisions, VCRs, personal computers, and other electronic equipment.

### **SPECIFICATIONS**

| Operating temperature range | –40 to +85°C                      |
|-----------------------------|-----------------------------------|
| Operating temperature range | [Including self-temperature rise] |
| Storage temperature range   | -40 to +85°C[Unit of products]    |
| Terminal tensile strength   | 9.8N min.                         |
| Flow soldering condition    | 260°C /10 seconds                 |

#### PRODUCT IDENTIFICATION

| TSL | 0709 | RA- | 1R0 | М   | 5R0 | - PF |
|-----|------|-----|-----|-----|-----|------|
| (1) | (2)  | (3) | (4) | (5) | (6) | (7)  |

(1)Series name

#### (2)Dimensions

| 0709 | ø7.7×9.5mm (lead pitch 5mm) |
|------|-----------------------------|
|      |                             |

#### (3)Packaging style

| RA | Taping(Ammo-pack) |
|----|-------------------|
| S  | Bulk              |

#### (4)Inductance value

| 1R0 | 1μΗ  |  |
|-----|------|--|
| 100 | 10uH |  |

#### (5)Inductance tolerance

| K | ±10% |  |
|---|------|--|
| M | +20% |  |

#### (6)Rated current

| 5R0 | 5A    |  |
|-----|-------|--|
| R66 | 0.66A |  |

#### (7)Lead-free compatible product

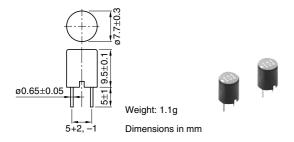
| PF Lead-free compatible product |
|---------------------------------|
|---------------------------------|

| Packaging style       | Quantity          |
|-----------------------|-------------------|
| Taping<br>(Ammo-pack) | 1000 pieces/box   |
| Bulk                  | 500 pieces/10tray |

<sup>•</sup> Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.



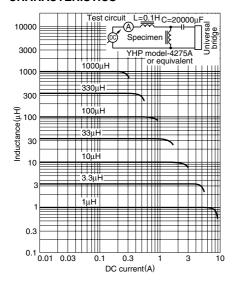
#### **SHAPES AND DIMENSIONS**



### **ELECTRICAL CHARACTERISTICS**

| Inductance         | Inductance |        | Test      | Self-resonant | DC              | Rated current(A)*1max. |                  |                       |
|--------------------|------------|--------|-----------|---------------|-----------------|------------------------|------------------|-----------------------|
| inductance<br>(μΗ) | tolerance  | Q min. | frequency | frequency     | resistance      | Based on inductance    | Based on         | Part No.              |
| (μπ)               | tolerance  |        | L/Q (Hz)  | (MHz)min.     | $(\Omega)$ max. | change                 | temperature rise |                       |
| 1                  | ±20%       | 10     | 1k/7.96M  | 70            | 0.006           | 6.6                    | 5                | TSL0709□*2-1R0M5R0-PF |
| 1.5                | ±20%       | 10     | 1k/7.96M  | 56            | 0.008           | 5.4                    | 4.3              | TSL0709□-1R5M4R3-PF   |
| 2.2                | ±20%       | 10     | 1k/7.96M  | 45            | 0.011           | 4                      | 3.7              | TSL0709□-2R2M3R7-PF   |
| 3.3                | ±20%       | 10     | 1k/7.96M  | 36            | 0.018           | 3.6                    | 2.9              | TSL0709□-3R3M2R9-PF   |
| 4.7                | ±20%       | 10     | 1k/7.96M  | 29            | 0.022           | 3.1                    | 2.6              | TSL0709□-4R7M2R6-PF   |
| 6.8                | ±20%       | 10     | 1k/7.96M  | 24            | 0.028           | 2.5                    | 2.3              | TSL0709□-6R8M2R3-PF   |
| 10                 | ±10%       | 20     | 1k/2.52M  | 19            | 0.043           | 2.1                    | 1.9              | TSL0709□-100K1R9-PF   |
| 15                 | ±10%       | 20     | 1k/2.52M  | 15            | 0.056           | 1.7                    | 1.6              | TSL0709□-150K1R6-PF   |
| 22                 | ±10%       | 20     | 1k/2.52M  | 12            | 0.086           | 1.4                    | 1.3              | TSL0709□-220K1R3-PF   |
| 33                 | ±10%       | 20     | 1k/2.52M  | 9.4           | 0.14            | 1.1                    | 1                | TSL0709□-330K1R0-PF   |
| 47                 | ±10%       | 20     | 1k/2.52M  | 7.6           | 0.17            | 0.96                   | 0.94             | TSL0709□-470KR94-PF   |
| 68                 | ±10%       | 20     | 1k/2.52M  | 6.2           | 0.28            | 0.79                   | 0.73             | TSL0709□-680KR73-PF   |
| 100                | ±10%       | 20     | 1k/796k   | 5             | 0.33            | 0.66                   | 0.67             | TSL0709□-101KR66-PF   |
| 150                | ±10%       | 20     | 1k/796k   | 4             | 0.56            | 0.53                   | 0.52             | TSL0709□-151KR52-PF   |
| 220                | ±10%       | 20     | 1k/796k   | 3.2           | 0.72            | 0.44                   | 0.46             | TSL0709□-221KR44-PF   |
| 330                | ±10%       | 20     | 1k/796k   | 2.5           | 1.1             | 0.36                   | 0.37             | TSL0709□-331KR36-PF   |
| 470                | ±10%       | 20     | 1k/796k   | 2             | 1.7             | 0.3                    | 0.3              | TSL0709□-471KR30-PF   |
| 680                | ±10%       | 20     | 1k/796k   | 1.7           | 2.3             | 0.25                   | 0.26             | TSL0709□-681KR25-PF   |
| 1000               | ±10%       | 70     | 1k/252k   | 1.3           | 4.3             | 0.2                    | 0.19             | TSL0709□-102KR19-PF   |
| 1500               | ±10%       | 50     | 1k/252k   | 1.3           | 5               | 0.17                   | 0.16             | TSL0709□-152KR16-PF   |

<sup>\*1</sup> 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 20%, whichever is smaller.



<sup>\*2 ☐:</sup> Please specify packaging style, S(Bulk) or RA(Taping).

<sup>•</sup> All specifications are subject to change without notice.



#### **Conformity to RoHS Directive**

# TSL Series TSL0808

#### **FEATURES**

- The TSL series feature low DC resistance and high current handling capacities, making them ideal for power supply line applications.
- These parts are manufactured to a high degree of dimensional accuracy using non-flammable material (UL94V-0).
- Available in tape packaging to support automated mounting machines.
- It is a product conforming to RoHS directive.

#### **APPLICATIONS**

Televisions, VCRs, personal computers, and other electronic equipment.

### **SPECIFICATIONS**

| One wating to manage to use were | -40 to +85°C                      |
|----------------------------------|-----------------------------------|
| Operating temperature range      | [Including self-temperature rise] |
| Storage temperature range        | -40 to +85°C[Unit of products]    |
| Terminal tensile strength        | 9.8N min.                         |
| Flow soldering condition         | 260°C /10 seconds                 |

#### PRODUCT IDENTIFICATION

| TSL | 8080 | RA- | 3R3 | М   | 3R8 | - PF |
|-----|------|-----|-----|-----|-----|------|
| (1) | (2)  | (3) | (4) | (5) | (6) | (7)  |

(1)Series name

#### (2)Dimensions

| 8080 | ø8.5×8.3mm (lead pitch 5mm) |
|------|-----------------------------|
|      |                             |

#### (3)Packaging style

| RA | Taping(Ammo-pack) |  |
|----|-------------------|--|
| S  | Bulk              |  |

#### (4)Inductance value

| 3R3 | 3.3μΗ |  |
|-----|-------|--|
| 100 | 10μH  |  |

#### (5)Inductance tolerance

| K | ±10% |  |
|---|------|--|
| M | ±20% |  |

#### (6)Rated current

| 3R8 | 3.8A  |  |
|-----|-------|--|
| R67 | 0.67A |  |

#### (7)Lead-free compatible product

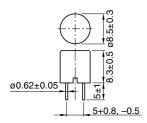
| PF Lead-free compatible product |
|---------------------------------|
|---------------------------------|

| Packaging style       | Quantity          |
|-----------------------|-------------------|
| Taping<br>(Ammo-pack) | 1000 pieces/box   |
| Bulk                  | 500 pieces/10tray |

<sup>•</sup> Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

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#### **SHAPES AND DIMENSIONS**



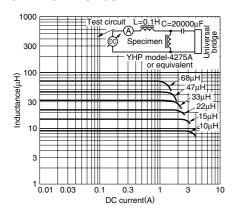


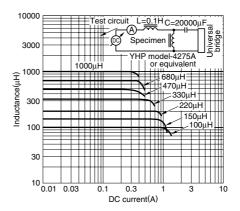


### **ELECTRICAL CHARACTERISTICS**

| Inductance        | Inductance | 0         | Test      | Self-resonant | DC              | Rated current (A)*1max. |                  |                        |
|-------------------|------------|-----------|-----------|---------------|-----------------|-------------------------|------------------|------------------------|
| muuctance<br>(μΗ) | tolerance  | Q<br>min. | frequency | frequency     | resistance      | Based on inductance     | Based on         | Part No.               |
| (μπ)              | tolerance  | 111111.   | L/Q (Hz)  | (MHz)min.     | $(\Omega)$ max. | change                  | 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  |

<sup>\*1</sup> 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.





<sup>\*2 :</sup> Please specify packaging style, S(Bulk) or RA(Taping).

<sup>•</sup> All specifications are subject to change without notice.



#### **Conformity to RoHS Directive**

# TSL Series TSL1112

#### **FEATURES**

- The TSL series feature low DC resistance and high current handling capacities, making them ideal for power supply line applications.
- These parts are manufactured to a high degree of dimensional accuracy using non-flammable material (UL94V-0).
- Available in tape packaging to support automated mounting machines.
- It is a product conforming to RoHS directive.

#### **APPLICATIONS**

Televisions, VCRs, personal computers, and other electronic equipment.

### **SPECIFICATIONS**

| Operating temperature range | -40 to +85°C<br>[Including self-temperature rise] |
|-----------------------------|---|
| Storage temperature range   | -40 to +85°C[Unit of products]                    |
| Terminal tensile strength   | 9.8N min.   |
| Flow soldering condition    | 260°C /10 seconds                                 |

#### PRODUCT IDENTIFICATION

| TSL | 1112 | RA- | 3R3 | М   | 5R9 | - PF |
|-----|------|-----|-----|-----|-----|------|
| (1) | (2)  | (3) | (4) | (5) | (6) | (7)  |

(1)Series name

#### (2)Dimensions

| 1112 | ø11.2×12.2mm (lead pitch 5mm) |
|------|-------------------------------|
|      |                               |

### (3)Packaging style

| RA | Taping(Ammo-pack) |
|----|-------------------|
| S  | Bulk              |

#### (4)Inductance value

| 3R3 | 3.3μΗ |  |
|-----|-------|--|
| 100 | 10uH  |  |

#### (5)Inductance tolerance

| J | ±5%  |  |
|---|------|--|
| K | ±10% |  |
| M | +20% |  |

## (6)Rated current

| 5R9 | 5.9A  |  |
|-----|-------|--|
| R56 | 0.56A |  |

# (7)Lead-free compatible product

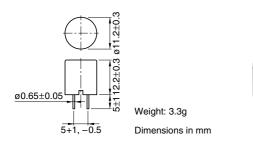
| PF | Lead-free compatible product |
|----|------------------------------|
|    |                              |

| Packaging style       | Quantity         |
|-----------------------|------------------|
| Taping<br>(Ammo-pack) | 500 pieces/box   |
| Bulk                  | 400 pieces/8tray |

<sup>•</sup> Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.



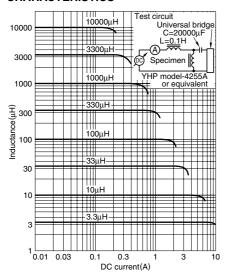
#### **SHAPES AND DIMENSIONS**





| Indicators         | la di rata a a a        | ^         | Test      | Self-resonant | DC              | Rated current (A)*1max | X.               |                       |
|--------------------|-------------------------|-----------|-----------|---------------|-----------------|------------------------|------------------|-----------------------|
| Inductance<br>(µH) | Inductance<br>tolerance | Q<br>min. | frequency | frequency     | resistance      | Based on inductance    | Based on         | Part No.              |
| (μπ)               | tolerance               | 111111.   | L/Q (Hz)  | (MHz)min.     | $(\Omega)$ max. | change                 | temperature rise |                       |
| 1.0                | ±20%                    | 15        | 1k/7.96M  | 144           | 0.058           | 14                     | 7.7              | TSL1112□*2-1R0M7R7-PF |
| 2.2                | ±20%                    | 15        | 1k/7.96M  | 70            | 0.073           | 10                     | 6.7              | TSL1112□-2R2M6R7-PF   |
| 3.3                | ±20%                    | 10        | 1k/7.96M  | 36            | 0.01            | 8.8                    | 5.9              | TSL1112□-3R3M5R9-PF   |
| 4.7                | ±20%                    | 10        | 1k/7.96M  | 28            | 0.015           | 7.2                    | 4.8              | TSL1112□-4R7M4R8-PF   |
| 6.8                | ±20%                    | 10        | 1k/7.96M  | 18            | 0.016           | 6.1                    | 4.6              | TSL1112□-6R8M4R6-PF   |
| 10                 | ±20%                    | 20        | 1k/2.52M  | 16            | 0.025           | 5                      | 3.7              | TSL1112□-100M3R7-PF   |
| 15                 | ±20%                    | 20        | 1k/2.52M  | 12            | 0.029           | 4.2                    | 3.4              | TSL1112 ☐ -150M3R4-PF |
| 22                 | ±10%                    | 20        | 1k/2.52M  | 9.5           | 0.04            | 3.4                    | 2.9              | TSL1112 ☐ -220K2R9-PF |
| 33                 | ±10%                    | 30        | 1k/2.52M  | 7             | 0.062           | 2.8                    | 2.3              | TSL1112 ☐-330K2R3-PF  |
| 47                 | ±10%                    | 30        | 1k/2.52M  | 5.8           | 0.075           | 2.3                    | 2.1              | TSL1112□-470K2R1-PF   |
| 68                 | ±10%                    | 20        | 1k/2.52M  | 4.7           | 0.13            | 1.9                    | 1.6              | TSL1112□-680K1R6-PF   |
| 100                | ±10%                    | 20        | 1k/796k   | 3.8           | 0.16            | 1.6                    | 1.4              | TSL1112□-101K1R4-PF   |
| 150                | ±10%                    | 20        | 1k/796k   | 3.1           | 0.26            | 1.3                    | 1.1              | TSL1112□-151K1R1-PF   |
| 220                | ±10%                    | 20        | 1k/796k   | 2.5           | 0.33            | 1.1                    | 1                | TSL1112 ☐-221K1R0-PF  |
| 330                | ±10%                    | 20        | 1k/796k   | 2             | 0.52            | 0.88                   | 0.82             | TSL1112□-331KR82-PF   |
| 470                | ±10%                    | 10        | 1k/796k   | 1.6           | 0.66            | 0.75                   | 0.72             | TSL1112□-471KR72-PF   |
| 680                | ±10%                    | 10        | 1k/796k   | 1.3           | 1.1             | 0.61                   | 0.56             | TSL1112□-681KR56-PF   |
| 1000               | ±5%                     | 20        | 1k/252k   | 1.1           | 1.4             | 0.51                   | 0.5              | TSL1112 ☐ -102JR50-PF |
| 1500               | ±5%                     | 30        | 1k/252k   | 0.82          | 2.4             | 0.43                   | 0.38             | TSL1112□-152JR38-PF   |
| 2200               | ±5%                     | 20        | 1k/252k   | 0.76          | 3.2             | 0.35                   | 0.33             | TSL1112 ☐ -222JR33-PF |
| 3300               | ±5%                     | 30        | 1k/252k   | 0.64          | 4.9             | 0.28                   | 0.26             | TSL1112 ☐ -332JR26-PF |
| 4700               | ±5%                     | 30        | 1k/252k   | 0.54          | 7.6             | 0.24                   | 0.21             | TSL1112 ☐ -472JR21-PF |
| 6800               | ±5%                     | 30        | 1k/252k   | 0.45          | 9.8             | 0.2                    | 0.18             | TSL1112□-682JR18-PF   |
| 10000              | ±5%                     | 30        | 1k/79.6k  | 0.38          | 18              | 0.17                   | 0.14             | TSL1112□-103JR14-PF   |
| 15000              | ±5%                     | 50        | 1k/79.6k  | 0.29          | 24              | 0.13                   | 0.12             | TSL1112□-153JR12-PF   |

<sup>\*1</sup> 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.



<sup>•</sup> All specifications are subject to change without notice.

<sup>\*2 ☐:</sup> Please specify packaging style, S(Bulk) or RA(Taping).



#### **Conformity to RoHS Directive**

# TSL Series TSL1315

#### **FEATURES**

- The TSL series feature low DC resistance and high current handling capacities, making them ideal for power supply line applications.
- These parts are manufactured to a high degree of dimensional accuracy using non-flammable material (UL94V-0).
- Available in tape packaging to support automated mounting machines.
- It is a product conforming to RoHS directive.

#### **APPLICATIONS**

Televisions, VCRs, personal computers, and other electronic equipment.

### **SPECIFICATIONS**

| 0                           | -40 to +85°C                      |
|-----------------------------|-----------------------------------|
| Operating temperature range | [Including self-temperature rise] |
| Storage temperature range   | -40 to +85°C[Unit of products]    |
| Terminal tensile strength   | 9.8N min.                         |
| Flow soldering condition    | 260°C /10 seconds                 |

#### PRODUCT IDENTIFICATION

| TSL | 1315 | RA- | 100 | K   | 5R1 | - PF |
|-----|------|-----|-----|-----|-----|------|
| (1) | (2)  | (3) | (4) | (5) | (6) | (7)  |

(1)Series name

#### (2)Dimensions

| 1315 | ø14×17mm (lead pitch 7.5mm) |
|------|-----------------------------|
|      |                             |

#### (3)Packaging style

| RA | Taping(Ammo-pack) |
|----|-------------------|
| S  | Bulk              |

#### (4)Inductance value

| 100 | 10μΗ   |  |
|-----|--------|--|
| 102 | 1000μΗ |  |

#### (5)Inductance tolerance

| J | ±5%  |  |
|---|------|--|
| K | +10% |  |

#### (6)Rated current

| 5R1 | 5.1A  |  |
|-----|-------|--|
| R99 | 0.99A |  |

#### (7)Lead-free compatible product

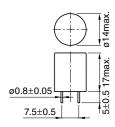
| PF Lead-free compatible product |  |
|---------------------------------|--|
|---------------------------------|--|

| Packaging style       | Quantity       |  |
|-----------------------|----------------|--|
| Taping<br>(Ammo-pack) | 200 pieces/box |  |
| Bulk                  | 50 pieces/pack |  |

<sup>•</sup> Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.



#### **SHAPES AND DIMENSIONS**







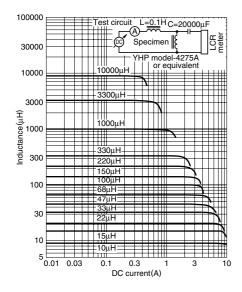
Weight: 7.5g

Dimensions in mm

### **ELECTRICAL CHARACTERISTICS**

| Inductance | Inductance | Q    |          | Self-resonant | DC resistance   | Rated current (A)*1max. |                  |                       |
|------------|------------|------|----------|---------------|-----------------|-------------------------|------------------|-----------------------|
|            | tolerance  |      |          | frequency     |                 | Based on inductance     | Based on         | Part No.              |
| (μπ)       | tolerance  | typ. | L/Q (Hz) | (MHz)min.     | $(\Omega)$ max. | change                  | temperature rise |                       |
| 10         | ±10%       | 70   | 1k/2.52M | 19            | 0.023           | 12                      | 5.1              | TSL1315□*2-100K5R1-PF |
| 15         | ±10%       | 70   | 1k/2.52M | 12            | 0.028           | 9.5                     | 4.5              | TSL1315□-150K4R5-PF   |
| 22         | ±10%       | 60   | 1k/2.52M | 7.6           | 0.035           | 8.2                     | 4.2              | TSL1315□-220K4R2-PF   |
| 33         | ±10%       | 50   | 1k/2.52M | 6.9           | 0.043           | 6.8                     | 3.7              | TSL1315□-330K3R7-PF   |
| 47         | ±10%       | 50   | 1k/2.52M | 5.6           | 0.052           | 5.7                     | 3.4              | TSL1315□-470K3R4-PF   |
| 68         | ±10%       | 40   | 1k/2.52M | 4.4           | 0.068           | 4.8                     | 3                | TSL1315□-680K3R0-PF   |
| 100        | ±10%       | 50   | 1k/796k  | 3.3           | 0.097           | 3.9                     | 2.5              | TSL1315□-101K2R5-PF   |
| 150        | ±10%       | 50   | 1k/796k  | 2.6           | 0.14            | 3.2                     | 2.1              | TSL1315□-151K2R1-PF   |
| 220        | ±10%       | 40   | 1k/796k  | 2.2           | 0.2             | 2.7                     | 1.7              | TSL1315□-221K1R7-PF   |
| 330        | ±10%       | 30   | 1k/796k  | 1.8           | 0.3             | 2.1                     | 1.4              | TSL1315□-331K1R4-PF   |
| 470        | ±10%       | 30   | 1k/796k  | 1.5           | 0.43            | 1.8                     | 1.1              | TSL1315□-471K1R1-PF   |
| 680        | ±10%       | 30   | 1k/796k  | 1.2           | 0.61            | 1.5                     | 0.99             | TSL1315□-681KR99-PF   |
| 1000       | ±5%        | 30   | 1k/252k  | 1             | 1               | 1.2                     | 0.78             | TSL1315□-102JR78-PF   |
| 1500       | ±5%        | 40   | 1k/252k  | 0.83          | 1.3             | 1                       | 0.68             | TSL1315□-152JR68-PF   |
| 2200       | ±5%        | 40   | 1k/252k  | 0.7           | 2               | 0.83                    | 0.55             | TSL1315□-222JR55-PF   |
| 3300       | ±5%        | 40   | 1k/252k  | 0.6           | 3.1             | 0.69                    | 0.44             | TSL1315□-332JR44-PF   |
| 4700       | ±5%        | 40   | 1k/252k  | 0.43          | 4.4             | 0.58                    | 0.37             | TSL1315□-472JR37-PF   |
| 6800       | ±5%        | 30   | 1k/252k  | 0.38          | 6.5             | 0.46                    | 0.3              | TSL1315□-682JR30-PF   |
| 10000      | ±5%        | 70   | 1k/79.6k | 0.3           | 10              | 0.4                     | 0.24             | TSL1315□-103JR24-PF   |

<sup>\*1</sup> 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.



<sup>\*2 :</sup> Please specify packaging style, S(Bulk) or RA(Taping).

<sup>•</sup> All specifications are subject to change without notice.