

OWDR TYPE



FEATURES

Small Size
Low Cost
High Reliability
Wide Inductance Range

APPLICATIONS

Power Inductors.
Communication
Household appliances.
Electronic toys and games.

NUMBERING SYSTEM

Example: **OWDR106-101**

OWDR106 - Series Name
101 - Inductance

ELECTRICAL CHARACTERISTIC

| Series Name | Inductance (uH) ※ | DCR(max) (Ω) | IDC(max) (A) | Series Name | Inductance (uH) ※ | DCR(max) (Ω) | IDC(max) (A) |
|-------------|-------------------|--------------|--------------|-------------|-------------------|--------------|--------------|
| OWDR654 | 22~1000 | 180m~7.06 | 0.13~0.9 | OWDR114 | 6.3~39000 | 26m~58.0 | 0.09~4.3 |
| OWDR664 | 22~1000 | 110m~4.45 | 0.19~1.27 | OWDR106 | 10~1000 | 40m~3.2 | 0.36~3.6 |
| OWDR855 | 10~10000 | 70m~55.7 | 81m~2.5 | OWDR108 | 10~1000 | 27m~2.1 | 0.45~4.5 |
| OWDR875 | 10~10000 | 50m~33.0 | 84m~2.9 | OWDR110 | 10~1000 | 22m~1.7 | 0.53~5.3 |
| OWDR895 | 10~47000 | 40m~96.4 | 38m~2.6 | | | | |

※Remark: When the Inductance $\leq 82\mu\text{H}$, the Test Frequency is 2.52MHz/0.25V; when the Inductance $> 82\mu\text{H}$, the Test Frequency is 1KHz/0.25V.

MECHANICAL DIMENSIONS

Unit: mm

| Series Name | A(±0.5) | B(max) | C(±1.0) | D(±0.5) | E(±0.1) | | |
|-------------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | | |
| OWDR654 | 6.0 | 5.0 | 4.0 | 4.0 | 0.5 | | |
| OWDR664 | 6.0 | 6.5 | 4.0 | 4.0 | 0.5 | | |
| OWDR855 | 7.8 | 5.5 | 5.0 | 5.0 | 0.7 | | |
| OWDR875 | 7.8 | 7.5 | 5.0 | 5.0 | 0.7 | | |
| OWDR895 | 7.8 | 9.5 | 5.0 | 5.0 | 0.7 | | |
| OWDR114 | 10.0 | 14.4 | 5.0 | 5.0 | 0.7 | | |
| Series Name | A(±0.5) | B(±0.5) | C(±1.0) | D(±0.5) | E(±0.5) | F(±0.5) | G(±0.1) |
| OWDR106 | 10.0 | 6.0 | 3.5 | 4.0 | 5.0 | 6.4 | 0.7 |
| OWDR108 | 10.0 | 8.0 | 3.5 | 4.0 | 5.0 | 6.4 | 0.7 |
| OWDR110 | 10.0 | 10.0 | 3.5 | 4.0 | 5.0 | 6.4 | 0.7 |

STRUCTURE DIAGRAM

| COMPONENT | MATERIALS |
|-------------|------------------------------------|
| 1.Core | Ferrite core |
| 2.Wire | Polyurethane enameled copper wires |
| 3.Lead wire | Tinned copper wires |
| 4.Glue | Epoxy resin |

GENERAL CONDITION

Operating temperature range: -20°C to +105°C(include coil heat)
Storage conditions: -20°C to +85°C

Contact us for custom spec parts to meet your special requirements.

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NUMBERING SYSTEM

Example: **OWDR108D-101**

OWDR108D - Series Name
101 - Inductance

ELECTRICAL CHARACTERISTIC

| Series Name | Inductance (uH) ※ | DCR(max) (Ω) | IDC(max) (A) | Series Name | Inductance (uH) ※ | DCR(max) (Ω) | IDC(max) (A) |
|-------------|-------------------|--------------|--------------|-------------|-------------------|--------------|--------------|
| OWDR664D | 22~1000 | 130m~5.56 | 0.14~0.96 | | | | |
| OWDR875D | 22~10000 | 80m~35.0 | 74m~1.6 | | | | |
| OWDR195D | 10~47000 | 30m~48.8 | 17m~1.3 | | | | |
| OWDR108D | 10~1000 | 50m~2.30 | 0.28~2.8 | | | | |
| OWDR110D | 10~1000 | 23m~1.50 | 0.35~3.15 | | | | |

※Remark: When the Inductance $\leq 82\mu\text{H}$, the Test Frequency is 2.52MHz/0.25V; when the Inductance $> 82\mu\text{H}$, the Test Frequency is 1KHz/0.25V.

MECHANICAL DIMENSIONS

Unit: mm

| | | | | | | | | |
|--|-------------|---------|--------|---------|---------|---------|---------|---------|
| | Series Name | A(±0.5) | B(max) | C(±1.0) | D(±0.5) | E(±0.1) | | |
| | OWDR664D | 6.0 | 6.5 | 4.0 | 4.0 | 0.5 | | |
| | Series Name | A(±0.5) | B(max) | C(±1.0) | D(±0.5) | E(±0.1) | | |
| | OWDR875D | 7.8 | 7.5 | 5.0 | 5.0 | 0.7 | | |
| | Series Name | A(max) | B(max) | C(±1.0) | D(±0.5) | E(±0.5) | F(±0.5) | G(±0.1) |
| | OWDR108D | 10.0 | 8.5 | 3.5 | 4.0 | 5.0 | 6.4 | 0.7 |
| | OWDR110D | 10.0 | 10.5 | 3.5 | 4.0 | 5.0 | 6.4 | 0.7 |
| | | | | | | | | |

STRUCTURE DIAGRAM

| COMPONENT | MATERIALS |
|-------------|------------------------------------|
| 1.Core | Ferrite core |
| 2.Wire | Polyurethane enameled copper wires |
| 3.Lead wire | Tinned copper wires |
| 4.Glue | Epoxy resin |

GENERAL CONDITION

| | |
|------------------------------|------------------------------------|
| Operating temperature range: | -20°C to +105°C(include coil heat) |
| Storage conditions: | -20°C to +85°C |

Contact us for custom spec parts to meet your special requirements.