

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 ≤82uH, the Test Frequency is 2.52MHz/0.25V; when the Inductance >82uH, 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℃ to +105℃(include coil heat)
Storage conditions:	-20℃ to +85℃

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

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