

# OWPT TYPE



## FEATURES

Insulation Resistance:  
100MΩ at 500VDC  
High Reliability  
Wide Inductance Range

## APPLICATIONS

Power Inductors  
Communication  
Household appliances  
Electronic toys and games.

## NUMBERING SYSTEM

Example: **OWPT4452-101**

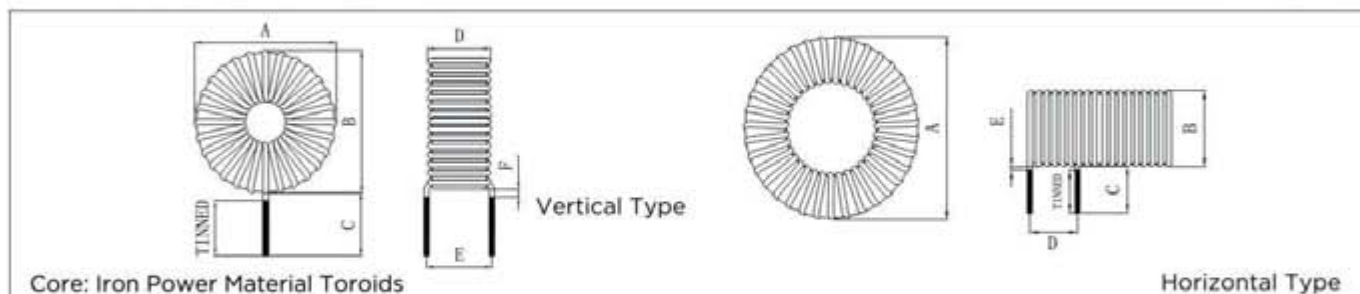
**OWPT4452** - Series Name  
**101** - Inductance

## ELECTRICAL CHARACTERISTIC

Series Name	Inductance (uH)	DCR(max) (Ω)	IDC(max) (A)	Series Name	Inductance (uH)	DCR(max) (Ω)	IDC(max) (A)
OWPT2552	5.0~27.0	33m~232m	1.5~3.4	OWPT6852	32.0~230.0	30m~134m	1.7~4.5
OWPT3052	10.0~140.0	60m~568m	0.8~3.0	OWPT8052	50.0~220.0	35m~98m	2.3~4.5
OWPT3752	8.2~240.0	20m~370m	0.6~3.5	OWPT9052	90~470.0	48m~145m	2.0~4.8
OWPT4452	15.0~360.0	30m~497m	0.8~3.9	OWPT10652	30.0~850.0	10m~167m	1.9~9.0
OWPT5052	20.0~100.0	28m~96m	1.5~3.0	OWPT13052	75.0~680.0	17m~95m	2.8~7.8
OWPT6052	25.0~470.0	23m~260m	1.1~4.7				

## MECHANICAL DIMENSIONS

Unit: mm



Core: Iron Power Material Toroids

Horizontal Type

Series Name	A(max)	B(max)	C(ref)	D(max)	E(ref)	F(max)	Series Name	A(max)	B(max)	C(ref)	D(ref)	E(max)
OWPT2552	8.5	8.0	8.0	4.5	3.0	0.5	OWPT2552	8.5	4.5	5.0	2.5	0.5
OWPT3052	10.0	10.0	8.0	5.5	4.0	0.5	OWPT3052	10.0	5.5	5.0	3.5	0.5
OWPT3752	12.5	12.0	8.0	6.5	5.0	0.5	OWPT3752	12.5	6.5	5.0	4.0	0.5
OWPT4452	14.0	14.0	8.0	7.0	5.5	1.0	OWPT4452	14.0	7.0	5.0	4.5	1.0
OWPT5052	16.5	16.0	8.0	9.0	7.0	1.0	OWPT5052	16.5	9.0	5.0	5.0	1.0
OWPT6052	20.0	19.0	8.0	10.0	8.0	1.0	OWPT6052	20.0	10.5	5.0	6.0	1.0
OWPT6852	22.0	22.0	8.0	9.5	7.0	1.0	OWPT6852	22.0	9.5	5.0	7.0	1.0
OWPT8052	25.0	25.0	8.0	11.0	9.0	1.0	OWPT8052	25.0	11.0	5.0	8.0	1.0
OWPT9052	28.5	28.0	8.0	15.0	13.0	1.0	OWPT9052	28.0	15.0	5.0	9.0	1.0
OWPT10652	34.0	34.0	8.0	18.0	15.0	1.0	OWPT10652	34.0	18.0	5.0	12.0	1.0
OWPT13052	38.5	38.0	8.0	18.0	16.0	1.0	OWPT13052	38.5	18.0	5.0	13.0	1.0

## GENERAL CONDITION

Operating temperature range:	-55°C to +125°C(include coil heat)
Storage temperature range:	-40°C to +40°C
Test Frequency:	100KHz,0.25V

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