

# DESIGN KIT

## WE-TI Radial Leaded Wire Wound Inductor

**SIZE:**

8012 / 1014

**TECHNICAL DATA:**

L: 10 ~ 10000  $\mu$ H  
 $R_{DC}$ : 0.02 ~ 16.6  $\Omega$   
 $I_R$ : 0.18 ~ 4.7 A  
 $I_{sat}$ : 0.18 ~ 4.5 A

**Order Code 744 743****Version 2.0**

# WE-TI

## Radial Leaded Wire Wound Inductor



8012		744 745 210 2		1014		744 748 010 1		744 748 047 1		744 748 022 2	
<b>744 745 210 0</b>		<b>744 745 210 2</b>		<b>744 748 010 1</b>		<b>744 748 010 1</b>		<b>744 748 047 1</b>		<b>744 748 022 2</b>	
L:	10 $\mu$ H	L:	1000 $\mu$ H	L:	100 $\mu$ H	L:	100 $\mu$ H	L:	470 $\mu$ H	L:	2200 $\mu$ H
R <sub>DC</sub> :	0.02 $\Omega$	R <sub>DC</sub> :	1.55 $\Omega$	R <sub>DC</sub> :	0.125 $\Omega$	R <sub>DC</sub> :	0.125 $\Omega$	R <sub>DC</sub> :	0.52 $\Omega$	R <sub>DC</sub> :	2.5 $\Omega$
I <sub>R</sub> :	4.7 A	I <sub>R</sub> :	0.6 A	I <sub>R</sub> :	2.4 A	I <sub>R</sub> :	2.4 A	I <sub>R</sub> :	1.15 A	I <sub>R</sub> :	0.48 A
I <sub>sat</sub> :	4.5 A	I <sub>sat</sub> :	0.55 A	I <sub>sat</sub> :	2.5 A	I <sub>sat</sub> :	2.5 A	I <sub>sat</sub> :	1.15 A	I <sub>sat</sub> :	0.56 A
<b>744 745 210 1</b>		<b>744 745 247 2</b>		<b>744 748 022 1</b>		<b>744 748 022 1</b>		<b>744 748 068 1</b>		<b>744 748 033 2</b>	
L:	100 $\mu$ H	L:	4700 $\mu$ H	L:	220 $\mu$ H	L:	220 $\mu$ H	L:	680 $\mu$ H	L:	3300 $\mu$ H
R <sub>DC</sub> :	0.16 $\Omega$	R <sub>DC</sub> :	7 $\Omega$	R <sub>DC</sub> :	0.26 $\Omega$	R <sub>DC</sub> :	0.26 $\Omega$	R <sub>DC</sub> :	0.79 $\Omega$	R <sub>DC</sub> :	4 $\Omega$
I <sub>R</sub> :	1.8 A	I <sub>R</sub> :	0.23 A	I <sub>R</sub> :	1.6 A	I <sub>R</sub> :	1.6 A	I <sub>R</sub> :	0.9 A	I <sub>R</sub> :	0.36 A
I <sub>sat</sub> :	1.5 A	I <sub>sat</sub> :	0.2 A	I <sub>sat</sub> :	1.75 A	I <sub>sat</sub> :	1.75 A	I <sub>sat</sub> :	1.00 A	I <sub>sat</sub> :	0.4 A
<b>744 745 233 1</b>		<b>744 745 210 3</b>		<b>744 748 033 1</b>		<b>744 748 033 1</b>		<b>744 748 010 2</b>		<b>744 748 082 2</b>	
L:	330 $\mu$ H	L:	10000 $\mu$ H	L:	330 $\mu$ H	L:	330 $\mu$ H	L:	1000 $\mu$ H	L:	8200 $\mu$ H
R <sub>DC</sub> :	0.47 $\Omega$	R <sub>DC</sub> :	16.6 $\Omega$	R <sub>DC</sub> :	0.33 $\Omega$	R <sub>DC</sub> :	0.33 $\Omega$	R <sub>DC</sub> :	1.15 $\Omega$	R <sub>DC</sub> :	9 $\Omega$
I <sub>R</sub> :	1.1 A	I <sub>R</sub> :	0.18 A	I <sub>R</sub> :	1.4 A	I <sub>R</sub> :	1.4 A	I <sub>R</sub> :	0.8 A	I <sub>R</sub> :	0.3 A
I <sub>sat</sub> :	0.85 A	I <sub>sat</sub> :	0.18 A	I <sub>sat</sub> :	1.6 A	I <sub>sat</sub> :	1.6 A	I <sub>sat</sub> :	0.8 A	I <sub>sat</sub> :	0.3 A

EMC COMPONENTS | **INDUCTORS** | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | LEDs | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | POWER ELEMENTS

**Important information:** Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

Please check datasheets on [www.we-online.com](http://www.we-online.com) for specifications. Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2015

[www.we-online.com](http://www.we-online.com)

**Packaging:**  
Tray or Tape & Reel