



## DESIGN KIT

### WE-GF Wire Wound Inductor



#### SIZE:

1210 / 1812

#### TECHNICAL DATA:

L: 0.1 – 1000  $\mu$ H  
 $R_{DC}$ : 0.32 – 50  $\Omega$   
 $I_R$ : 30 – 450 mA  
 $f_{RES}$ : 2.9 – 907 MHz

Order Code 744 766  
Version 2.0

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## WE-GF Wire Wound Inductor



1210	<b>744 764 002</b>	<b>744 764 003 3</b>	<b>744 764 004</b>	<b>744 764 006</b>	<b>744 764 01</b>	<b>744 764 02</b>
	L: 0.22 $\mu$ H	L: 0.33 $\mu$ H	L: 0.47 $\mu$ H	L: 0.68 $\mu$ H	L: 1 $\mu$ H	L: 2.2 $\mu$ H
	R <sub>DC</sub> : 0.32 $\Omega$	R <sub>DC</sub> : 0.4 $\Omega$	R <sub>DC</sub> : 0.5 $\Omega$	R <sub>DC</sub> : 0.6 $\Omega$	R <sub>DC</sub> : 0.7 $\Omega$	R <sub>DC</sub> : 1 $\Omega$
	I <sub>R</sub> : 450 mA	I <sub>R</sub> : 450 mA	I <sub>R</sub> : 450 mA	I <sub>R</sub> : 450 mA	I <sub>R</sub> : 400 mA	I <sub>R</sub> : 320 mA
	f <sub>RES</sub> : 751 MHz	f <sub>RES</sub> : 607 MHz	f <sub>RES</sub> : 526 MHz	f <sub>RES</sub> : 423 MHz	f <sub>RES</sub> : 380 MHz	f <sub>RES</sub> : 138 MHz
<b>744 764 03</b>	<b>744 764 04</b>	<b>744 764 06</b>	<b>744 764 10</b>	<b>744 764 122</b>	<b>744 764 133</b>	
L: 3.3 $\mu$ H	L: 4.7 $\mu$ H	L: 6.8 $\mu$ H	L: 10 $\mu$ H	L: 22 $\mu$ H	L: 33 $\mu$ H	
R <sub>DC</sub> : 1.2 $\Omega$	R <sub>DC</sub> : 1.5 $\Omega$	R <sub>DC</sub> : 1.8 $\Omega$	R <sub>DC</sub> : 2.1 $\Omega$	R <sub>DC</sub> : 3.7 $\Omega$	R <sub>DC</sub> : 5.6 $\Omega$	
I <sub>R</sub> : 260 mA	I <sub>R</sub> : 220 mA	I <sub>R</sub> : 180 mA	I <sub>R</sub> : 150 mA	I <sub>R</sub> : 110 mA	I <sub>R</sub> : 70 mA	
f <sub>RES</sub> : 72 MHz	f <sub>RES</sub> : 58 MHz	f <sub>RES</sub> : 48 MHz	f <sub>RES</sub> : 40 MHz	f <sub>RES</sub> : 25 MHz	f <sub>RES</sub> : 20 MHz	
<b>744 764 147</b>	<b>744 764 168</b>	<b>744 764 20</b>	1812	<b>744 766 001</b>	<b>744 766 003 3</b>	<b>744 766 006 8</b>
L: 47 $\mu$ H	L: 68 $\mu$ H	L: 100 $\mu$ H		L: 0.1 $\mu$ H	L: 0.33 $\mu$ H	L: 0.68 $\mu$ H
R <sub>DC</sub> : 7 $\Omega$	R <sub>DC</sub> : 9 $\Omega$	R <sub>DC</sub> : 11 $\Omega$		R <sub>DC</sub> : 0.44 $\Omega$	R <sub>DC</sub> : 0.4 $\Omega$	R <sub>DC</sub> : 0.6 $\Omega$
I <sub>R</sub> : 60 mA	I <sub>R</sub> : 50 mA	I <sub>R</sub> : 40 mA		I <sub>R</sub> : 450 mA	I <sub>R</sub> : 450 mA	I <sub>R</sub> : 450 mA
f <sub>RES</sub> : 17 MHz	f <sub>RES</sub> : 14 MHz	f <sub>RES</sub> : 12 MHz		f <sub>RES</sub> : 907 MHz	f <sub>RES</sub> : 517 MHz	f <sub>RES</sub> : 353 MHz
<b>744 766 01</b>	<b>744 766 02</b>	<b>744 766 03</b>	<b>744 766 04</b>	<b>744 766 06</b>	<b>744 766 10</b>	
L: 1 $\mu$ H	L: 2.2 $\mu$ H	L: 3.3 $\mu$ H	L: 4.7 $\mu$ H	L: 6.8 $\mu$ H	L: 10 $\mu$ H	
R <sub>DC</sub> : 0.5 $\Omega$	R <sub>DC</sub> : 0.7 $\Omega$	R <sub>DC</sub> : 0.8 $\Omega$	R <sub>DC</sub> : 1 $\Omega$	R <sub>DC</sub> : 1.2 $\Omega$	R <sub>DC</sub> : 1.6 $\Omega$	
I <sub>R</sub> : 450 mA	I <sub>R</sub> : 380 mA	I <sub>R</sub> : 355 mA	I <sub>R</sub> : 315 mA	I <sub>R</sub> : 285 mA	I <sub>R</sub> : 250 mA	
f <sub>RES</sub> : 310 MHz	f <sub>RES</sub> : 207 MHz	f <sub>RES</sub> : 138 MHz	f <sub>RES</sub> : 78 MHz	f <sub>RES</sub> : 46 MHz	f <sub>RES</sub> : 28 MHz	
<b>744 766 115</b>	<b>744 766 122</b>	<b>744 766 133</b>	<b>744 766 147</b>	<b>744 766 168</b>	<b>744 766 20</b>	
L: 15 $\mu$ H	L: 22 $\mu$ H	L: 33 $\mu$ H	L: 47 $\mu$ H	L: 68 $\mu$ H	L: 100 $\mu$ H	
R <sub>DC</sub> : 2.5 $\Omega$	R <sub>DC</sub> : 3.2 $\Omega$	R <sub>DC</sub> : 4 $\Omega$	R <sub>DC</sub> : 5 $\Omega$	R <sub>DC</sub> : 6 $\Omega$	R <sub>DC</sub> : 8 $\Omega$	
I <sub>R</sub> : 200 mA	I <sub>R</sub> : 180 mA	I <sub>R</sub> : 160 mA	I <sub>R</sub> : 140 mA	I <sub>R</sub> : 130 mA	I <sub>R</sub> : 110 mA	
f <sub>RES</sub> : 25 MHz	f <sub>RES</sub> : 20 MHz	f <sub>RES</sub> : 16 MHz	f <sub>RES</sub> : 12 MHz	f <sub>RES</sub> : 10.5 MHz	f <sub>RES</sub> : 8.9 MHz	
<b>744 766 215</b>	<b>744 766 220</b>	<b>744 766 233</b>	<b>744 766 24</b>	<b>744 766 26</b>	<b>744 766 30</b>	
L: 150 $\mu$ H	L: 220 $\mu$ H	L: 330 $\mu$ H	L: 470 $\mu$ H	L: 680 $\mu$ H	L: 1000 $\mu$ H	
R <sub>DC</sub> : 9 $\Omega$	R <sub>DC</sub> : 10 $\Omega$	R <sub>DC</sub> : 14 $\Omega$	R <sub>DC</sub> : 26 $\Omega$	R <sub>DC</sub> : 30 $\Omega$	R <sub>DC</sub> : 50 $\Omega$	
I <sub>R</sub> : 105 mA	I <sub>R</sub> : 100 mA	I <sub>R</sub> : 85 mA	I <sub>R</sub> : 62 mA	I <sub>R</sub> : 50 mA	I <sub>R</sub> : 30 mA	
f <sub>RES</sub> : 7.8 MHz	f <sub>RES</sub> : 6.6 MHz	f <sub>RES</sub> : 5.5 MHz	f <sub>RES</sub> : 4.6 MHz	f <sub>RES</sub> : 3.7 MHz	f <sub>RES</sub> : 2.9 MHz	

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