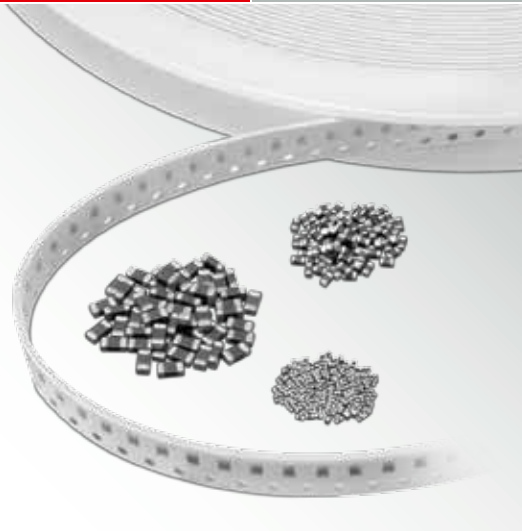




# DESIGN KIT

## WE-CBF/WE-CBF HF

### High Frequency Applications



#### SIZE:

0402 / 0603

#### TECHNICAL DATA:

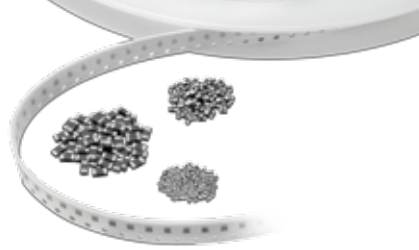
$Z @ 100 \text{ MHz}$ : 10 ~ 1000  $\Omega$

$R_{DC}$ : 0.05 ~ 1.8  $\Omega$

$I_R$ : 50 ~ 600 mA

Order Code 742 841  
Version 1.0

# WE-CBF/WE-CBF HF High Frequency Applications



0402	<b>742 792 711 0</b> ■	<b>742 792 73</b> ■	<b>742 792 714 0</b> ■	<b>742 792 717 0</b> ■	<b>742 792 711</b> ■	<b>742 792 711 2</b> ■
	Z @ 100 MHz: 10 Ω	Z @ 100 MHz: 20 Ω	Z @ 100 MHz: 47 Ω	Z @ 100 MHz: 75 Ω	Z @ 100 MHz: 100 Ω	Z @ 100 MHz: 120 Ω
	R <sub>DC</sub> : 0.05 Ω	R <sub>DC</sub> : 0.20 Ω	R <sub>DC</sub> : 0.40 Ω	R <sub>DC</sub> : 0.31 Ω	R <sub>DC</sub> : 0.30 Ω	R <sub>DC</sub> : 0.35 Ω
	I <sub>R</sub> : 500 mA	I <sub>R</sub> : 300 mA	I <sub>R</sub> : 200 mA	I <sub>R</sub> : 300 mA	I <sub>R</sub> : 200 mA	I <sub>R</sub> : 350 mA
0402	<b>742 792 712 1</b> ■	<b>742 792 716 1</b> ■				
	Z @ 100 MHz: 220 Ω	Z @ 100 MHz: 600 Ω				
	R <sub>DC</sub> : 0.80 Ω	R <sub>DC</sub> : 0.56 Ω				
	I <sub>R</sub> : 200 mA	I <sub>R</sub> : 250 mA				
0603	<b>742 843 122</b> ■	<b>742 841 160</b> ■	<b>742 841 210</b> ■	<b>742 861 118</b> ■	<b>742 863 122</b> ■	<b>742 863 147</b> ■
	Z @ 100 MHz: 220 Ω	Z @ 100 MHz: 600 Ω	Z @ 100 MHz: 1000 Ω	Z @ 100 MHz: 180 Ω	Z @ 100 MHz: 220 Ω	Z @ 100 MHz: 470 Ω
	R <sub>DC</sub> : 0.38 Ω	R <sub>DC</sub> : 1.60 Ω	R <sub>DC</sub> : 1.80 Ω	R <sub>DC</sub> : 0.55 Ω	R <sub>DC</sub> : 0.25 Ω	R <sub>DC</sub> : 0.32 Ω
	I <sub>R</sub> : 500 mA	I <sub>R</sub> : 100 mA	I <sub>R</sub> : 50 mA	I <sub>R</sub> : 200 mA	I <sub>R</sub> : 600 mA	I <sub>R</sub> : 500 mA
0603	<b>742 861 160</b> ■	<b>742 862 160</b> ■	<b>742 863 160</b> ■	<b>742 861 210</b> ■		
	Z @ 100 MHz: 600 Ω	Z @ 100 MHz: 600 Ω	Z @ 100 MHz: 600 Ω	Z @ 100 MHz: 1000 Ω		
	R <sub>DC</sub> : 0.90 Ω	R <sub>DC</sub> : 1.50 Ω	R <sub>DC</sub> : 0.35 Ω	R <sub>DC</sub> : 1.80 Ω		
	I <sub>R</sub> : 200 mA	I <sub>R</sub> : 600 mA	I <sub>R</sub> : 500 mA	I <sub>R</sub> : 50 mA		
0603	<b>742 792 68</b> ■	<b>742 792 608</b> ■	<b>742 792 67</b> ■	<b>742 792 61</b> ■	<b>742 792 606</b> ■	<b>742 792 621</b> ■
	Z @ 100 MHz: 15 Ω	Z @ 100 MHz: 47 Ω	Z @ 100 MHz: 60 Ω	Z @ 100 MHz: 80 Ω	Z @ 100 MHz: 120 Ω	Z @ 100 MHz: 140 Ω
	R <sub>DC</sub> : 0.10 Ω	R <sub>DC</sub> : 0.10 Ω	R <sub>DC</sub> : 0.30 Ω	R <sub>DC</sub> : 0.30 Ω	R <sub>DC</sub> : 0.35 Ω	R <sub>DC</sub> : 0.20 Ω
	I <sub>R</sub> : 500 mA	I <sub>R</sub> : 500 mA	I <sub>R</sub> : 500 mA	I <sub>R</sub> : 200 mA	I <sub>R</sub> : 200 mA	I <sub>R</sub> : 550 mA
0603	<b>742 792 653</b> ■	<b>742 792 664</b> ■				
	Z @ 100 MHz: 600 Ω	Z @ 100 MHz: 1000 Ω				
	R <sub>DC</sub> : 0.65 Ω	R <sub>DC</sub> : 0.60 Ω				
	I <sub>R</sub> : 300 mA	I <sub>R</sub> : 300 mA				

WE CBF HF (NiZn)  
WE CBF (Fe)

- High Speed
- Wide Band
- High Current

**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.  
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