



## DESIGN KIT

WE-MK 0201

Multilayer Ceramic SMD Inductor



### SIZE:

0201

### TECHNICAL DATA:

L: 1 - 33 nH @ 100 MHz  
Q<sub>sp</sub>: 17 - 20 @ 800 MHz  
f<sub>res</sub>: 1500 - 13000 MHz  
R<sub>dc</sub>: 0.12 - 2.30 Ω

Order Code 744 785  
Version 2.0

# DESIGN KIT

## WE-MK 0201 Multilayer Ceramic SMD Inductor



### 0201

#### 744 782 01

L:	1.0 nH@100MHz
$Q_{sp}$ :	17 @800MHz
$f_{res}$ :	13000 MHz
$R_{DC}$ :	0.12 $\Omega$

#### 744 782 012

L:	1.2 nH@100MHz
$Q_{sp}$ :	17 @800MHz
$f_{res}$ :	13000 MHz
$R_{DC}$ :	0.15 $\Omega$

#### 744 782 015

L:	1.5 nH@100MHz
$Q_{sp}$ :	17 @800MHz
$f_{res}$ :	13000 MHz
$R_{DC}$ :	0.18 $\Omega$

#### 744 782 018

L:	1.8 nH@100MHz
$Q_{sp}$ :	17 @800MHz
$f_{res}$ :	10500 MHz
$R_{DC}$ :	0.22 $\Omega$

#### 744 782 022

L:	2.2 nH@100MHz
$Q_{sp}$ :	18 @800MHz
$f_{res}$ :	9500 MHz
$R_{DC}$ :	0.26 $\Omega$

#### 744 782 027

L:	2.7 nH@100MHz
$Q_{sp}$ :	18 @800MHz
$f_{res}$ :	8500 MHz
$R_{DC}$ :	0.32 $\Omega$

#### 744 782 033

L:	3.3 nH@100MHz
$Q_{sp}$ :	19 @800MHz
$f_{res}$ :	7500 MHz
$R_{DC}$ :	0.38 $\Omega$

#### 744 782 039

L:	3.9 nH@100MHz
$Q_{sp}$ :	20 @800MHz
$f_{res}$ :	6800 MHz
$R_{DC}$ :	0.45 $\Omega$

#### 744 782 047

L:	4.7 nH@100MHz
$Q_{sp}$ :	20 @800MHz
$f_{res}$ :	6000 MHz
$R_{DC}$ :	0.50 $\Omega$

#### 744 782 056

L:	5.6 nH@100MHz
$Q_{sp}$ :	20 @800MHz
$f_{res}$ :	5500 MHz
$R_{DC}$ :	0.60 $\Omega$

#### 744 782 068

L:	6.8 nH@100MHz
$Q_{sp}$ :	20 @800MHz
$f_{res}$ :	4800 MHz
$R_{DC}$ :	0.70 $\Omega$

#### 744 782 082

L:	8.2 nH@100MHz
$Q_{sp}$ :	20 @800MHz
$f_{res}$ :	4600 MHz
$R_{DC}$ :	0.90 $\Omega$

#### 744 782 10

L:	10 nH@100MHz
$Q_{sp}$ :	20 @800MHz
$f_{res}$ :	4000 MHz
$R_{DC}$ :	1.20 $\Omega$

#### 744 782 12

L:	12 nH@100MHz
$Q_{sp}$ :	19 @800MHz
$f_{res}$ :	3500 MHz
$R_{DC}$ :	1.30 $\Omega$

#### 744 782 15

L:	15 nH@100MHz
$Q_{sp}$ :	19 @800MHz
$f_{res}$ :	3000 MHz
$R_{DC}$ :	1.40 $\Omega$

#### 744 782 18

L:	18 nH@100MHz
$Q_{sp}$ :	19 @800MHz
$f_{res}$ :	2500 MHz
$R_{DC}$ :	1.50 $\Omega$

#### 744 782 22

L:	22 nH@100MHz
$Q_{sp}$ :	18 @800MHz
$f_{res}$ :	2200 MHz
$R_{DC}$ :	1.80 $\Omega$

#### 744 782 27

L:	27 nH@100MHz
$Q_{sp}$ :	18 @800MHz
$f_{res}$ :	1800 MHz
$R_{DC}$ :	2.00 $\Omega$

#### 744 782 33

L:	33 nH@100MHz
$Q_{sp}$ :	17 @800MHz
$f_{res}$ :	1500 MHz
$R_{DC}$ :	2.30 $\Omega$

**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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