



# DESIGN KIT

## WE-MAPI

### Metal Alloy Power Inductor



#### SIZE:

3010 / 3012 / 3015

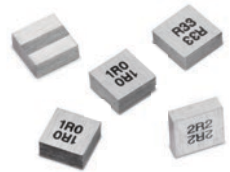
#### TECHNICAL DATA:

L: 0.33 ~ 47  $\mu$ H  
 $R_{DC}$ : 19.0 ~ 2090 m $\Omega$   
 $I_N$ : 0.39 ~ 4.8 A  
 $I_{sat}$ : 1.18 ~ 11.1 A

Order Code 744 383 3  
Version 1.0

# WE-MAPI

## Metal Alloy Power Inductor



### 3010

744 383 330 22	744 383 330 33	744 383 330 47
L: 2.2 $\mu$ H	L: 3.3 $\mu$ H	L: 4.7 $\mu$ H
R <sub>DC</sub> : 150 m $\Omega$	R <sub>DC</sub> : 232 m $\Omega$	R <sub>DC</sub> : 356 m $\Omega$
I <sub>N</sub> : 1.4 A	I <sub>N</sub> : 1.1 A	I <sub>N</sub> : 0.9 A
I <sub>sat</sub> : 3.9 A	I <sub>sat</sub> : 2.95 A	I <sub>sat</sub> : 2.4 A

### 3012

744 383 340 033	744 383 340 047	744 383 340 056	744 383 340 068	744 383 340 10	744 383 340 12
L: 0.33 $\mu$ H	L: 0.47 $\mu$ H	L: 0.56 $\mu$ H	L: 0.68 $\mu$ H	L: 1.0 $\mu$ H	L: 1.2 $\mu$ H
R <sub>DC</sub> : 19 m $\Omega$	R <sub>DC</sub> : 22 m $\Omega$	R <sub>DC</sub> : 29 m $\Omega$	R <sub>DC</sub> : 36 m $\Omega$	R <sub>DC</sub> : 42.1 m $\Omega$	R <sub>DC</sub> : 55 m $\Omega$
I <sub>N</sub> : 4.8 A	I <sub>N</sub> : 4.0 A	I <sub>N</sub> : 3.6 A	I <sub>N</sub> : 3.5 A	I <sub>N</sub> : 2.75 A	I <sub>N</sub> : 2.65 A
I <sub>sat</sub> : 11.1 A	I <sub>sat</sub> : 9.4 A	I <sub>sat</sub> : 8.5 A	I <sub>sat</sub> : 7.7 A	I <sub>sat</sub> : 6.6 A	I <sub>sat</sub> : 6.0 A
744 383 340 15	744 383 340 22	744 383 340 33	744 383 340 47	744 383 340 56	744 383 340 68
L: 1.5 $\mu$ H	L: 2.2 $\mu$ H	L: 3.3 $\mu$ H	L: 4.7 $\mu$ H	L: 5.6 $\mu$ H	L: 6.8 $\mu$ H
R <sub>DC</sub> : 80 m $\Omega$	R <sub>DC</sub> : 100 m $\Omega$	R <sub>DC</sub> : 156.3 m $\Omega$	R <sub>DC</sub> : 267.7 m $\Omega$	R <sub>DC</sub> : 338.3 m $\Omega$	R <sub>DC</sub> : 368.2 m $\Omega$
I <sub>N</sub> : 2.0 A	I <sub>N</sub> : 1.8 A	I <sub>N</sub> : 1.4 A	I <sub>N</sub> : 1.1 A	I <sub>N</sub> : 1.0 A	I <sub>N</sub> : 0.88 A
I <sub>sat</sub> : 5.7 A	I <sub>sat</sub> : 5.0 A	I <sub>sat</sub> : 4.0 A	I <sub>sat</sub> : 3.8 A	I <sub>sat</sub> : 3.0 A	I <sub>sat</sub> : 2.7 A

### 3015

744 383 350 10	744 383 350 22	744 383 350 33	744 383 350 47	744 383 350 68	744 383 351 00
L: 1.0 $\mu$ H	L: 2.2 $\mu$ H	L: 3.3 $\mu$ H	L: 4.7 $\mu$ H	L: 6.8 $\mu$ H	L: 10.0 $\mu$ H
R <sub>DC</sub> : 39 m $\Omega$	R <sub>DC</sub> : 94 m $\Omega$	R <sub>DC</sub> : 114 m $\Omega$	R <sub>DC</sub> : 141 m $\Omega$	R <sub>DC</sub> : 250 m $\Omega$	R <sub>DC</sub> : 446 m $\Omega$
I <sub>N</sub> : 2.7 A	I <sub>N</sub> : 1.8 A	I <sub>N</sub> : 1.7 A	I <sub>N</sub> : 1.5 A	I <sub>N</sub> : 1.1 A	I <sub>N</sub> : 0.85 A
I <sub>sat</sub> : 4.5 A	I <sub>sat</sub> : 3.5 A	I <sub>sat</sub> : 3.2 A	I <sub>sat</sub> : 2.8 A	I <sub>sat</sub> : 2.4 A	I <sub>sat</sub> : 2.0 A
744 383 351 50	744 383 352 20	744 383 353 30	744 383 354 70		
L: 15.0 $\mu$ H	L: 22.0 $\mu$ H	L: 33.0 $\mu$ H	L: 47.0 $\mu$ H		
R <sub>DC</sub> : 720 m $\Omega$	R <sub>DC</sub> : 940 m $\Omega$	R <sub>DC</sub> : 1210 m $\Omega$	R <sub>DC</sub> : 2090 m $\Omega$		
I <sub>N</sub> : 0.65 A	I <sub>N</sub> : 0.6 A	I <sub>N</sub> : 0.5 A	I <sub>N</sub> : 0.39 A		
I <sub>sat</sub> : 1.71 A	I <sub>sat</sub> : 1.6 A	I <sub>sat</sub> : 1.3 A	I <sub>sat</sub> : 1.18 A		

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Please check datasheets on [www.we-online.com](http://www.we-online.com) for specifications.  
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