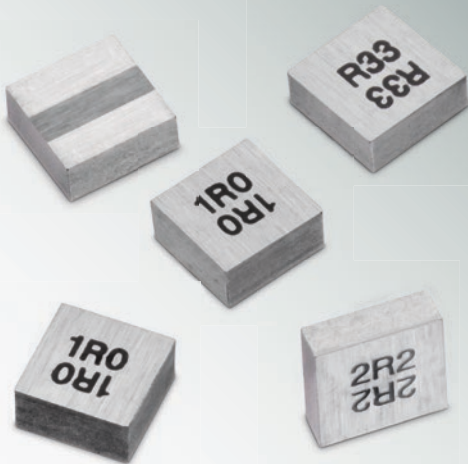




DESIGN KIT

WE-MAPI

Metal Alloy Power Inductor



SIZE:

3010 / 3012 / 3015

TECHNICAL DATA:

L: 0.33 ~ 47 μ H

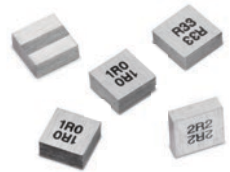
R_{DC} : 19.0 ~ 2090 m Ω

I_R : 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 μ H	L: 3.3 μ H	L: 4.7 μ H
R _{DC} : 150 m Ω	R _{DC} : 232 m Ω	R _{DC} : 356 m Ω
I _N : 1.4 A	I _N : 1.1 A	I _N : 0.9 A
I _{sat} : 3.9 A	I _{sat} : 2.95 A	I _{sat} : 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 μ H	L: 0.47 μ H	L: 0.56 μ H	L: 0.68 μ H	L: 1.0 μ H	L: 1.2 μ H
R _{DC} : 19 m Ω	R _{DC} : 22 m Ω	R _{DC} : 29 m Ω	R _{DC} : 36 m Ω	R _{DC} : 42.1 m Ω	R _{DC} : 55 m Ω
I _N : 4.8 A	I _N : 4.0 A	I _N : 3.6 A	I _N : 3.5 A	I _N : 2.75 A	I _N : 2.65 A
I _{sat} : 11.1 A	I _{sat} : 9.4 A	I _{sat} : 8.5 A	I _{sat} : 7.7 A	I _{sat} : 6.6 A	I _{sat} : 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 μ H	L: 2.2 μ H	L: 3.3 μ H	L: 4.7 μ H	L: 5.6 μ H	L: 6.8 μ H
R _{DC} : 80 m Ω	R _{DC} : 100 m Ω	R _{DC} : 156.3 m Ω	R _{DC} : 267.7 m Ω	R _{DC} : 338.3 m Ω	R _{DC} : 368.2 m Ω
I _N : 2.0 A	I _N : 1.8 A	I _N : 1.4 A	I _N : 1.1 A	I _N : 1.0 A	I _N : 0.88 A
I _{sat} : 5.7 A	I _{sat} : 5.0 A	I _{sat} : 4.0 A	I _{sat} : 3.8 A	I _{sat} : 3.0 A	I _{sat} : 2.7 A

3015

744 383 350 10	744 383 350 22	744 383 350 33	744 383 350 47	744 383 350 68	744 383 350 100
L: 1.0 μ H	L: 2.2 μ H	L: 3.3 μ H	L: 4.7 μ H	L: 6.8 μ H	L: 10.0 μ H
R _{DC} : 39 m Ω	R _{DC} : 94 m Ω	R _{DC} : 114 m Ω	R _{DC} : 141 m Ω	R _{DC} : 250 m Ω	R _{DC} : 446 m Ω
I _N : 2.7 A	I _N : 1.8 A	I _N : 1.7 A	I _N : 1.5 A	I _N : 1.1 A	I _N : 0.85 A
I _{sat} : 4.5 A	I _{sat} : 3.5 A	I _{sat} : 3.2 A	I _{sat} : 2.8 A	I _{sat} : 2.4 A	I _{sat} : 2.0 A
744 383 351 50	744 383 352 20	744 383 353 30	744 383 354 70		
L: 15.0 μ H	L: 22.0 μ H	L: 33.0 μ H	L: 47.0 μ H		
R _{DC} : 720 m Ω	R _{DC} : 940 m Ω	R _{DC} : 1210 m Ω	R _{DC} : 2090 m Ω		
I _N : 0.65 A	I _N : 0.6 A	I _N : 0.5 A	I _N : 0.39 A		
I _{sat} : 1.71 A	I _{sat} : 1.6 A	I _{sat} : 1.3 A	I _{sat} : 1.18 A		

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 for specifications.
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