



DESIGN KIT

WE-MAPI

Metal Alloy Power Inductor



SIZE:

3010 / 3012 / 3015

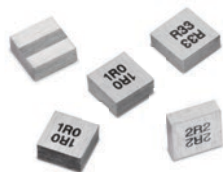
TECHNICAL DATA:

L :	0.33 ~ 47 μH
R_{DC} :	19.0 ~ 2090 $\text{m}\Omega$
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	744 383 351 00
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

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Please check datasheets on www.we-online.com for specifications.
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