



DESIGN KIT

WE-MAPI – Metal Alloy Power Inductor



SIZE:

1610 / 2010

TECHNICAL DATA:

L: 0.33 – 2.2 μ H

I_R : 0.85 – 2.5 A

I_{sat} : 2.5 – 5.9 A

$R_{DC typ}$: 40.0 – 337 m Ω

Order Code 744 383 1
Version 1.0

DESIGN KIT

WE-MAPI – Metal Alloy Power Inductor



1610

744 383 130 033

L:	0.33 μ H
I_{R^*} :	1.9 A
I_{sat} :	4.9 A
$R_{DC typ}$:	65.0 m Ω

744 383 130 047

L:	0.47 μ H
I_{R^*} :	1.7 A
I_{sat} :	4.5 A
$R_{DC typ}$:	77.0 m Ω

744 383 130 056

L:	0.56 μ H
I_{R^*} :	1.65 A
I_{sat} :	4.0 A
$R_{DC typ}$:	90.0 m Ω

744 383 130 068

L:	0.68 μ H
I_{R^*} :	1.55 A
I_{sat} :	3.8 A
$R_{DC typ}$:	101 m Ω

744 383 130 082

L:	0.82 μ H
I_{R^*} :	1.45 A
I_{sat} :	3.6 A
$R_{DC typ}$:	115 m Ω

744 383 130 10

L:	1.0 μ H
I_{R^*} :	1.4 A
I_{sat} :	3.4 A
$R_{DC typ}$:	127 m Ω

744 383 130 12

L:	1.2 μ H
I_{R^*} :	1.3 A
I_{sat} :	3.2 A
$R_{DC typ}$:	140 m Ω

744 383 130 15

L:	1.5 μ H
I_{R^*} :	0.95 A
I_{sat} :	2.7 A
$R_{DC typ}$:	189 m Ω

744 383 130 22

L:	2.2 μ H
I_{R^*} :	0.85 A
I_{sat} :	2.5 A
$R_{DC typ}$:	337 m Ω

2010

744 383 430 033

L:	0.33 μ H
I_{R^*} :	2.5 A
I_{sat} :	5.9 A
$R_{DC typ}$:	40.0 m Ω

744 383 430 047

L:	0.47 μ H
I_{R^*} :	2.3 A
I_{sat} :	5.25 A
$R_{DC typ}$:	49.0 m Ω

744 383 430 056

L:	0.56 μ H
I_{R^*} :	2.1 A
I_{sat} :	5.0 A
$R_{DC typ}$:	56.0 m Ω

744 383 430 068

L:	0.68 μ H
I_{R^*} :	2.0 A
I_{sat} :	4.7 A
$R_{DC typ}$:	65.0 m Ω

744 383 430 082

L:	0.82 μ H
I_{R^*} :	1.9 A
I_{sat} :	4.2 A
$R_{DC typ}$:	71.0 m Ω

744 383 430 10

L:	1.0 μ H
I_{R^*} :	1.8 A
I_{sat} :	3.9 A
$R_{DC typ}$:	86.0 m Ω

744 383 430 12

L:	1.2 μ H
I_{R^*} :	1.5 A
I_{sat} :	3.8 A
$R_{DC typ}$:	114 m Ω

744 383 430 15

L:	1.5 μ H
I_{R^*} :	1.3 A
I_{sat} :	3.0 A
$R_{DC typ}$:	150 m Ω

744 383 430 22

L:	2.2 μ H
I_{R^*} :	1.1 A
I_{sat} :	2.5 A
$R_{DC typ}$:	225 m Ω

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.
Würth Elektronik eiSos GmbH & Co. KG, EMC & Inductive Solutions. © 2014

**All products
in stock!**