WÜRTH ELEKTRONIK

DESIGN KIT

WE-MAPI – Metal Alloy Power Inductor

SIZE:

1610 / 2010

TECHNICAL DATA:

L: 0.33 – 2.2 µH

I_R: 0.85 – 2.5 A

I_{sat}: 2.5 – 5.9 A

$R_{DC\ typ}$: 40.0 – 337 mΩ

Order Code 744 383 1
Version 1.0

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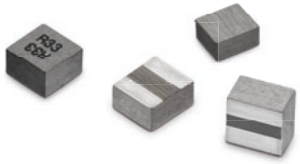
WE-MAPI – Metal Alloy Power Inductor



1610

744 383 130 033		744 383 130 047		744 383 130 056		744 383 130 068		744 383 130 082		744 383 130 10	
L:	0.33 µH	L:	0.47 µH	L:	0.56 µH	L:	0.68 µH	L:	0.82 µH	L:	1.0 µH
I_R:	1.9 A	I_R:	1.7 A	I_R:	1.65 A	I_R:	1.55 A	I_R:	1.45 A	I_R:	1.4 A
I_{sat}:	4.9 A	I_{sat}:	4.5 A	I_{sat}:	4.0 A	I_{sat}:	3.8 A	I_{sat}:	3.6 A	I_{sat}:	3.4 A
$R_{DC\,typ}$:	65.0 mΩ	$R_{DC\,typ}$:	77.0 mΩ	$R_{DC\,typ}$:	90.0 mΩ	$R_{DC\,typ}$:	101 mΩ	$R_{DC\,typ}$:	115 mΩ	$R_{DC\,typ}$:	127 mΩ

744 383 130 12		744 383 130 15		744 383 130 22	
L:	1.2 µH	L:	1.5 µH	L:	2.2 µH
I_R:	1.3 A	I_R:	0.95 A	I_R:	0.85 A
Isat:	3.2 A	I_{sat}:	2.7 A	I_{sat}:	2.5 A
$R_{DC\,typ}$:	140 mΩ	$R_{DC\,typ}$:	189 mΩ	$R_{DC\,typ}$:	337 mΩ

2010

744 383 430 033		744 383 430 047		744 383 430 056		744 383 430 068		744 383 430 082		744 383 430 10	
L:	0.33 µH	L:	0.47 µH	L:	0.56 µH	L:	0.68 µH	L:	0.82 µH	L:	1.0 µH
I_R:	2.5 A	I_R:	2.3 A	I_R:	2.1 A	I_R:	2.0 A	I_R:	1.9 A	I_R:	1.8 A
Isat:	5.9 A	Isat:	5.25 A	Isat:	5.0 A	Isat:	4.7 A	Isat:	4.2 A	Isat:	3.9 A
$R_{DC\,typ}$:	40.0 mΩ	$R_{DC\,typ}$:	49.0 mΩ	$R_{DC\,typ}$:	56.0 mΩ	$R_{DC\,typ}$:	65.0 mΩ	$R_{DC\,typ}$:	71.0 mΩ	$R_{DC\,typ}$:	86.0 mΩ

744 383 430 12		744 383 430 15		744 383 430 22	
L:	1.2 µH	L:	1.5 µH	L:	2.2 µH
I_R:	1.5 A	I_R:	1.3 A	I_R:	1.1 A
Isat:	3.8 A	Isat:	3.0 A	Isat:	2.5 A
$R_{DC\,typ}$:	114 mΩ	$R_{DC\,typ}$:	150 mΩ	$R_{DC\,typ}$:	225 mΩ

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.

All products in stock!