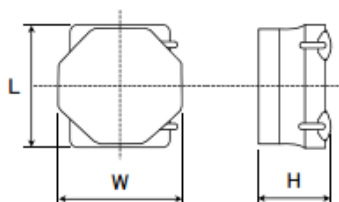


## Metal Core SMD Power Inductors (MCOIL(TM) MD series)

### MDMK4040T1R0MF



#### ■ Features

- Item Summary  
1.0  $\mu$ H ( $\pm 20\%$ ), 5200mA, 3500mA
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 1000pcs

#### ■ Products characteristics table

CaseSize (EIA/JIS)	-/4040
Inductance	1.0 $\mu$ H ( $\pm 20\%$ )
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	5200mA
Rated Current -Temperature Rise Current	3500mA
DC Resistance (max)	0.047 $\Omega$
Avg. of DC Resistance	0.041 $\Omega$
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

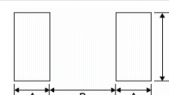
#### ■ External Dimensions

L	4mm $\pm 0.2$
W	4mm $\pm 0.2$
H	1.2mm max

#### ■ Recommended Land Patterns

【推奨ランドパターン】  
実装上の注意  
・実装仕様を確認の上ご使用ください。よろしくお願いたします。  
・本製品のはんだ付けはリフローはんだ工法に限りま。

【Recommended Land Pattern】  
Surface Mounting  
\*Mounting and soldering conditions should be checked beforehand.  
\*Applicable soldering process to these products is reflow soldering only.



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Type	A	B	C
1616	0.50	0.60	1.65
2020	0.65	0.70	2.00
3030	0.80	1.40	2.70
4040	1.20	1.60	3.70
5050	1.50	2.10	4.00

unit:mm

2015.02.25

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
TAIYO YUDEN reserves the right to make change to the Date at any time without notice.  
Before making final selection, please check product specification.