



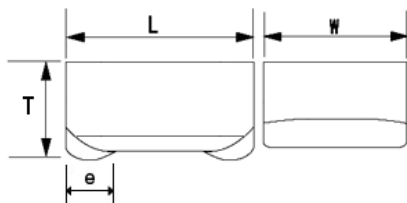
# THE DATASHEET OF MAKK2520HR47M



# Spec Sheet

Metal Core Wire-wound Chip Power Inductors (MCOIL(TM) MA series H (High Spec.) type)

## MAKK2520HR47M



### ■ Features

- Item Summary  
0.47  $\mu$ H( $\pm$ 20%), 1008
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 3000pcs

### ■ Products characteristics table

CaseSize (EIA/JIS)	1008/2520
Inductance	0.47 $\mu$ H( $\pm$ 20%)
Inductance Measuring Frequency	2MHz
Rated Current -Saturation Current	5700mA
Rated Current -Temperature Rise Current	4000mA
DC Resistance (max)	0.029 $\Omega$
DC Resistance (typ)	0.024 $\Omega$
Temperature Range	-40 to +105 $^{\circ}$ C
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

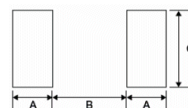
### ■ External Dimensions

L	2.5mm $\pm$ 0.2
W	2mm $\pm$ 0.2
T	1mm max
e	0.5mm $\pm$ 0.3

### ■ Recommended Land Patterns

【推奨ランドパターン】  
実装上の注意  
・実装状態を確認の上ご使用ください。また、お取り扱いにはご注意ください。  
・本製品のほんだ付けはリフローはんだ工法に限ります。

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



Metal Core Wire-wound Chip Power Inductors (MCOIL<sub>TM</sub>, MA series)

Type	A	B	C
2016	0.7	0.8	1.8
2520	0.8	1.2	2.0



unit: mm

2015.07.25

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.

## Looking for pricing, stock, or lifecycle information?

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