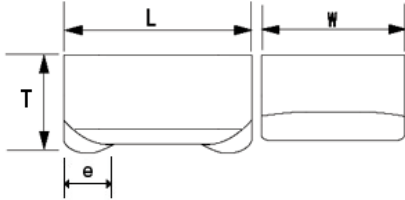


Spec Sheet

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

MAKK2520HR47M



■ Features

- Item Summary
0.47 μ 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 μ H(\pm 20%) |
| Inductance Measuring Frequency | 2MHz |
| Rated Current -Saturation Current | 5700mA |
| Rated Current -Temperature Rise Current | 4000mA |
| DC Resistance (max) | 0.029 Ω |
| DC Resistance (typ) | 0.024 Ω |
| Temperature Range | -40 to +105 $^{\circ}$ C |
| RoHS Compliance | Yes |
| Halogen Free | Yes |
| Soldering Method | Reflow |

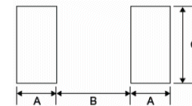
■ External Dimensions

| | |
|---|-----------------|
| 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せうお願いいたします。
・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_{TM}, 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.