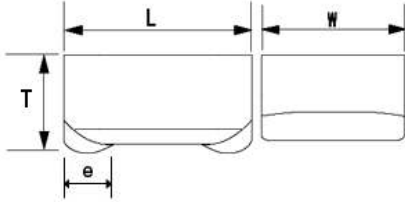


Spec Sheet

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

MAMK2520HR47M



■ Features

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

■ Products characteristics table

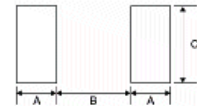
| | |
|---|--------------------------|
| CaseSize (EIA/JIS) | 1008/2520 |
| Inductance | 0.47 μ H(\pm 20%) |
| Inductance Measuring Frequency | 2MHz |
| Rated Current -Saturation Current | 5800mA |
| Rated Current -Temperature Rise Current | 4100mA |
| DC Resistance (max) | 0.026 Ω |
| DC Resistance (typ) | 0.021 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 | 1.2mm max |
| e | 0.5mm \pm 0.3 |

■ Recommended Land Patterns

【推奨ランドパターン】
 実装に際しては、
 実装機器の電圧の印加順序や、実装温度の制御等、
 本製品に適合する実装条件を事前に確認してください。
 (Recommended Land Pattern)
 at the SMT Reflow
 (Note: Please refer to the manual for the detailed reflow
 temperature and the reflow time to these products for the soldering process.)



| 単位 | A | J | C |
|----|-----|-----|-----|
| mm | 0.7 | 0.3 | 1.3 |
| mm | 0.5 | 1.0 | 0.5 |

(Unit: mm)

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.

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