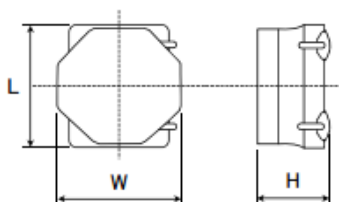


Metal Core SMD Power Inductors (MCOIL(TM) MD series)

MDKK1616T2R2MM



■ Features

- Item Summary
2.2 μ H ($\pm 20\%$), 1500mA, 950mA
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 2500pcs

■ Products characteristics table

| | |
|---|----------------------------|
| CaseSize (EIA/JIS) | -/1616 |
| Inductance | 2.2 μ H ($\pm 20\%$) |
| Inductance Measuring Frequency | 1MHz |
| Rated Current -Saturation Current | 1500mA |
| Rated Current -Temperature Rise Current | 950mA |
| DC Resistance (max) | 0.25 Ω |
| Avg. of DC Resistance | 0.215 Ω |
| RoHS Compliance | Yes |
| Halogen Free | Yes |
| Soldering Method | Reflow |

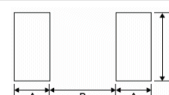
■ External Dimensions

| | |
|---|------------------|
| L | 1.64mm ± 0.1 |
| W | 1.64mm ± 0.1 |
| H | 1mm 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します。

【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