

Inductors

MCHK2012T1R0M



■ Features

- Item Summary
1.0uH±20%, 1.47A, 0805/2012 (EIA/JIS)
- Lifecycle Stage
New PN available
- Standard packaging quantity (minimum)
Taping Paper 4000pcs

■ Products characteristics table

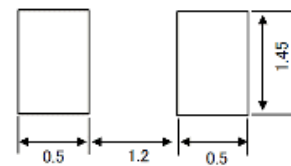
Inductance	1.0 uH ± 20 %
Case Size (EIA/JIS)	0805/2012
Rated Current (max)	1.47 A
Saturation Current (max)	2.26 A ($\Delta L=30\%$)
Saturation Current (typ)	2.6 A ($\Delta L=30\%$)
Temperature Rise Current (max)	1.47 A ($\Delta T=40^{\circ}\text{C}$)
Temperature Rise Current (typ)	1.63 A ($\Delta T=40^{\circ}\text{C}$)
DC Resistance (max)	111 mΩ
DC Resistance (typ)	90 mΩ
LQ Measuring Frequency	1 MHz
Operating Temp. Range	-40 to +125 °C (Including self-generated heat)
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	2.0 ± 0.2 mm
Dimension W	1.25 ± 0.2 mm
Dimension T	Max 0.8 mm
Dimension e	0.5 ± 0.3 mm

■ Recommended Land Patterns

【推奨のランドパターン】
 両面テープ
 ・両面テープの両面にランドパターンを形成し、両面テープを貼付する。
 ・両面テープの両面にランドパターンを形成し、両面テープを貼付する。
 【注意事項】
 ・両面テープの両面にランドパターンを形成し、両面テープを貼付する。
 ・両面テープの両面にランドパターンを形成し、両面テープを貼付する。
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Unit : mm

Please read this notice before using the TAIYO YUDEN products.



REMINDERS

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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).
When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.
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