

Inductors

MCFE1608T1R0MG



■ Features

- Item Summary
1.0uH±20%, 0.8A, 0603/1608 (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)	0603/1608
Rated Current (max)	0.8 A
Saturation Current (max)	1.4 A ($\Delta L=30\%$)
Saturation Current (typ)	1.7 A ($\Delta L=30\%$)
Temperature Rise Current (max)	0.8 A ($\Delta T=40^{\circ}\text{C}$)
Temperature Rise Current (typ)	0.9 A ($\Delta T=40^{\circ}\text{C}$)
DC Resistance (max)	0.34 Ω
DC Resistance (typ)	0.27 Ω
LQ Measuring Frequency	1 MHz
Operating Temp. Range	-40 to +125 $^{\circ}\text{C}$ (Including self-generated heat)
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

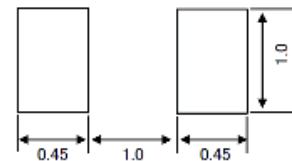
■ External Dimensions

Dimension L	1.6 ± 0.2 mm
Dimension W	0.8 ± 0.2 mm
Dimension T	Max 0.65 mm
Dimension e	0.3 ± 0.2 mm

■ Recommended Land Patterns

【推奨のランドパターン】
 両面テープ
 ・両面テープは、必ずしも必要ではありません。
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【Recommended Land Pattern】
 Surface Mounting
 ・If a reflow soldering method is used, the reflow temperature should be 260°C or lower.
 ・Apply the soldering process to these products in reflow soldering.



Unit : mm

Please read this notice before using the TAIYO YUDEN products.



REMINDERS

- Please conduct validation and verification of our products in actual condition of mounting and operating environment before using our products.
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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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