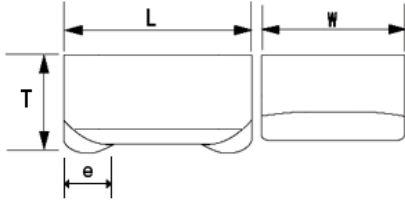


Metal Core Wire-wound Chip Power Inductors (MCOIL(TM) MA series)

MAMK2520T2R2M



■ Features

- Item Summary
2.2 μH(±20%), 2000mA, 1900mA, 1008
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 3000pcs

■ Products characteristics table

CaseSize (EIA/JIS)	1008/2520
Inductance	2.2 μH(±20%)
Inductance Measuring Frequency	2MHz
Rated Current -Saturation Current	2000mA
Rated Current -Temperature Rise Current	1900mA
DC Resistance (max)	0.117Ω
Avg. of DC.Resistance	0.09Ω
Temperature Range	-40 to +105℃
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

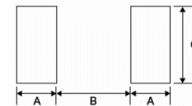
■ External Dimensions

L	2.5mm ±0.2
W	2mm ±0.2
H	1.2mm max

■ 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。また、お取り扱いには、
・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

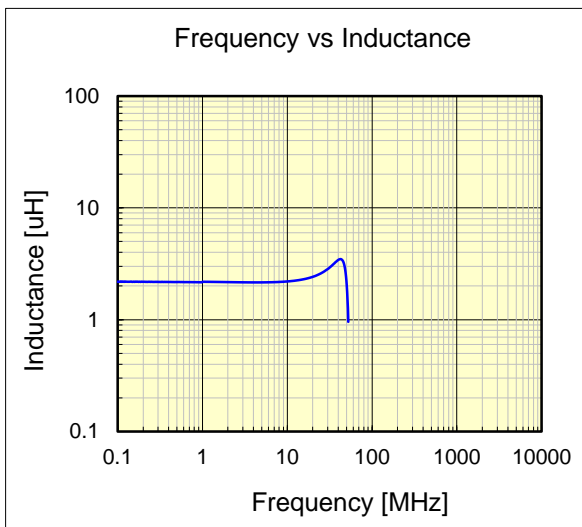
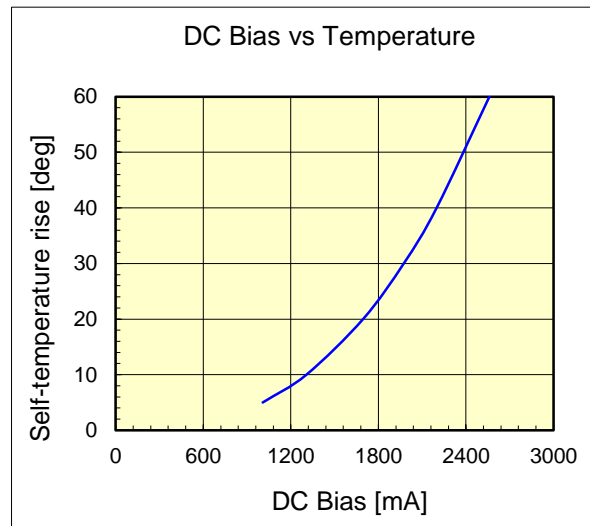
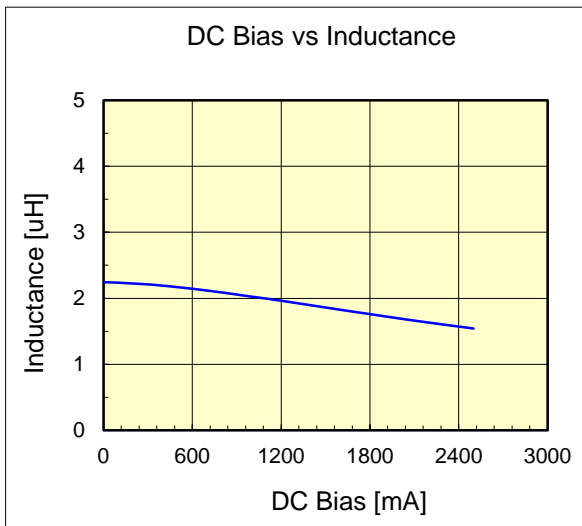
Metal Core Wire-wound Chip Power Inductors (MCOIL™, MA series)

MCOIL™
MAMK2520T2R2M



Dimension	unit : mm	unit : inch
Length :	2.5 +/- 0.2	(0.098 +/- 0.008)
Width :	2.0 +/- 0.2	(0.079 +/- 0.008)
Height :	1.2 max.	(0.047 max.)

Inductance :	2.2	uH	(test freq at 2MHz)
DC Resistance :	0.090 / 0.117	ohm	(typ / max)
Saturation Current :	2,300 / 2,000	mA	(typ / max)
Temp. rise Current :	2,200 / 1,900	mA	(typ / max)
Saturation current typical : 30% reduction from initial L value.			
Temp rise Current typical : Temperature will rise by 40 deg C			
Maximum rated voltage : DC 25 V			



The data is reference only. Electrical characteristics vary depending on environment or measurement condition. TAIYO YUDEN reserves the right to make change to the data at any time without notice. Before making final selection, please check product specification.