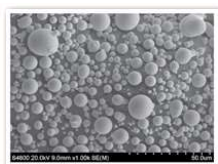


Super Low-Loss, Large Current Metal Composite Inductors

Optimum designed Super Low-Loss Inductor for Large current & High Switching frequency circuit

Glassy Metal alloy "SENNTIX II"

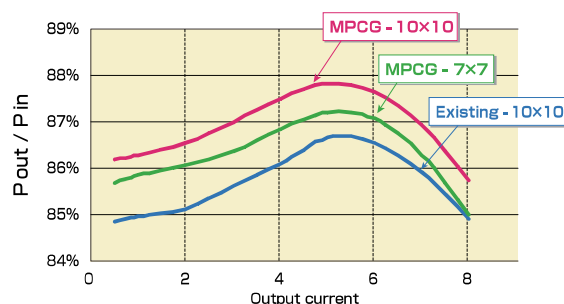


Accomplished Super Low-loss characteristics compared with other magnetic material

Product line up

Series	Inductance (μ H)	Rated Current (A)
MPCG0730	0.40	16.0
MPCG0740	0.42	22.0
MPCG1040	0.36~0.88	17.0~25.0

Comparison Power Efficiency (Existing vs MPCG)



- All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact TOKIN for updated product data.
- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.

Large & Medium Current Metal Composite Inductors

Applications

Inductor for VR circuit

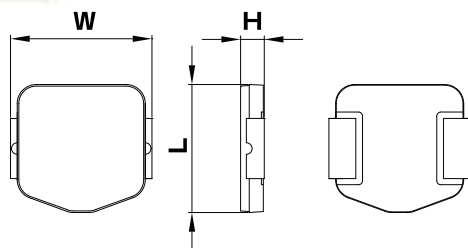
- 2 in1 PC
- Note PC
- Generic DC-DC converter
- POL(Point of Load)

Product line up

Series	Inductance (μ H) At 100kHz, 1mA	I _{rms} *1 (A)	I _{sat} *2 (A)
MPLCG0530	0.22 ~ 4.7	3.1 ~ 14.1	3.0 ~ 10.2
MPLCG0630	0.22 ~ 10	3.4 ~ 21.4	3.8 ~ 17.9

*1 T=40K rise at rated current. *2 Inductance drop 20%.

Dimensions



[mm]

Series	L	W	H
MPLCG0530	5.0 ± 0.2	5.5 Max.	3.0Max.
MPLCG0630	6.7 ± 0.2	7.5 Max.	3.0Max.



- All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact TOKIN for updated product data.
- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.

Thin type Metal Composite Inductors

Applications

Inductor for VR circuit

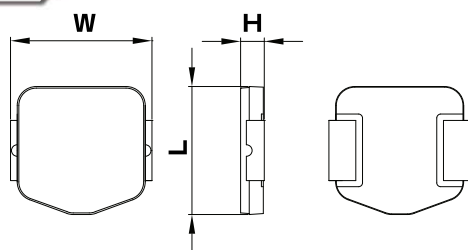
- 2 in1 PC
- Ultrabook-PC
- Tablet-PC

Product line up

Series	Inductance (μ H) At 100kHz, 1mA	I _{rms} *1 (A)	I _{sat} *2 (A)
MPLCH0520	0.22 ~ 2.2	3.5 ~ 10.1	5.9 ~ 14.2
MPLCH0618	0.22 ~ 4.7	5.8 ~ 16.1	6.5 ~ 22.4

*1 T=40K rise at rated current. *2 Inductance drop 30%.

Dimensions



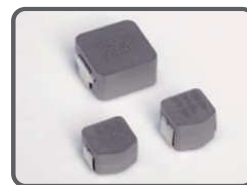
[mm]

Series	L	W	H
MPLCH0520	5.0 ± 0.2	5.5 Max.	2.0Max.
MPLCH0618	6.7 ± 0.2	7.5 Max.	1.8Max.



- All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact TOKIN for updated product data.
- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.

Metal Composite Inductors for Automotive application



Features

- Operating temperature range: **-40°C to +150°C** (Include self temperature rise)
- AEC-Q200 Compliant
- High reliability products (Automotive Market)
- Shielded construction, Large current, Low DCR
- Pb-free, RoHS Compliant

Applications

- Inductor for ECU (Automotive) (EPS, LED Head Light, SRS)

Product line up

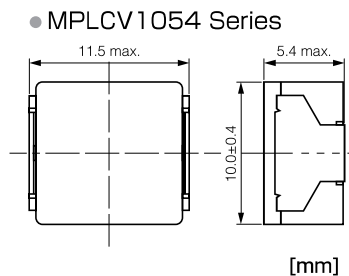
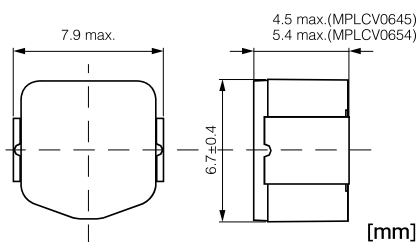
Series	Inductance(μ H) At 100kHz, 1mA	I _{rms} *1 (A)	I _{sat} *2 (A)
MPLCV0645L100	10 $\pm$ 20%	4.0	6.5
MPLCV0654L4R7	4.7 $\pm$ 20%	6.3	10.5
MPLCV0654L330	33 $\pm$ 20%	2.6	4.0
MPLCV0654L470	47 $\pm$ 20%	2.1	3.0
MPLCV1054L100	10 $\pm$ 20%	7.1	12.0
MPLCV1054L220	22 $\pm$ 20%	5.5	7.0

*1 40°C rise at rated current. *2 Inductance drop 30%.

● Operating temperature range : -40°C to +150°C(Include self temperature rise), AEC-Q200 Compliant.

Dimensions

- MPLCV0645 Series
- MPLCV0654 Series



- All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact TOKIN for updated product data.
- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.