

**NEW PRODUCT
 INFORMATION**

**Large-Current Power Inductor
 MPLCH Series**
 [RoHS Compliant]

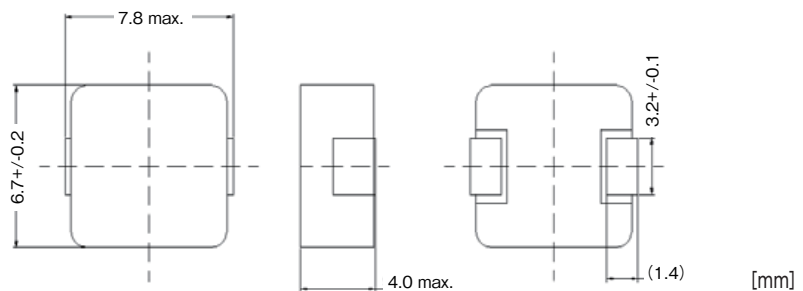


Model	Inductance (μ H) at 100kHz	DC resistance RDC (m Ω) max.	Rated current (A)	
			I _{rms} ^{※1} (Ref.)	I _{sat} ^{※2} (Ref.)
MPLCH0740L1R0	1.0 \pm 20%	6.0	13.6	13.4
MPLCH0740L1R5	1.5 \pm 20%	9.0	11.1	10.8
MPLCH0740L2R2	2.2 \pm 20%	13.0	9.3	9.0
MPLCH0740L3R3	3.3 \pm 20%	19.0	7.8	7.0
MPLCH0740L4R7	4.7 \pm 20%	33.0	5.8	6.5

※1 T=40K rise at rated current. ※2 Inductance drop 30% at rated current.
 ●Operating temperature range: -20~+120°C (Include self temperature rise)

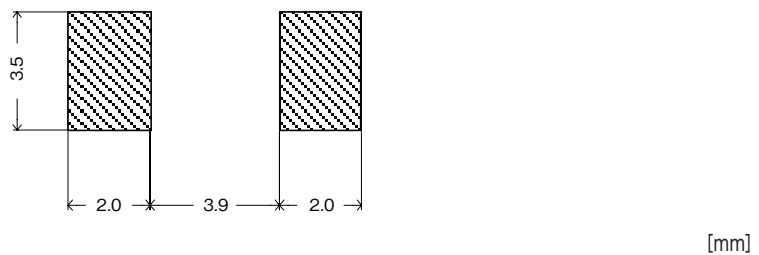
Shape and Dimensions

●MPLCH0740 Series



Recommended Land Pattern

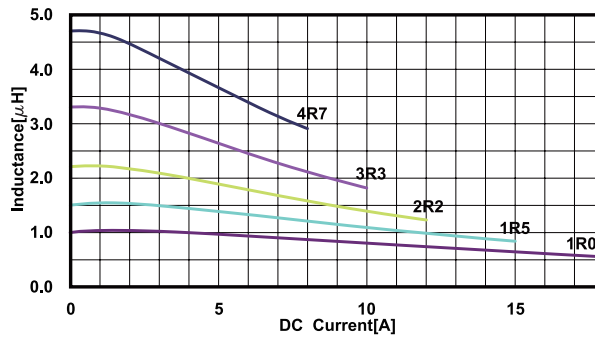
●MPLCH0740 Series



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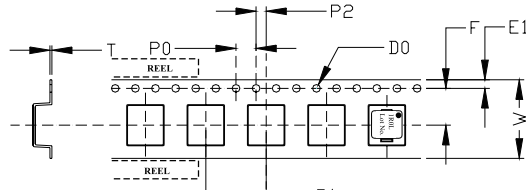
DC-Superposed Characteristics

●MPLCH0740 Series



MPLCH0740 Series (1000pcs./reel)

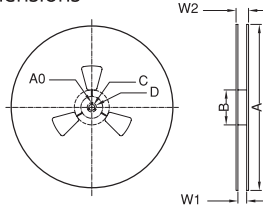
Dimensions of indented square hole plastic tape



[mm]

W	F	E1	P1	P2	P0	∅D0	T
±0.2	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05
16.0	7.5	1.75	12.0	2.0	4.0	1.55	0.4

Reel dimensions



[mm]

A	B	C	D	A0	r	W1	W2
±1.0	±5.0	±0.2	±0.8	±0.5		±1.0	±1.0
∅330	∅80	∅13.0	∅21.0	2.0	R1.0	17.5	21.5

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Precautions



- The names of the products and the specifications in this catalog are subject to change without notice for the sake of improvement. The manufacturer also reserves the right to discontinue any of these products. At the time of delivery, please ask for specifications sheets to check the contents in order to use the products properly and safely.
- Descriptions in this catalog regarding product characteristics and quality are based solely on discrete components. When using these components, be sure to check the specifications with the component in question mounted on the products.
- The manufacturer's warranty will not cover any disadvantage or damage caused by improper use of the products that deviates from the characteristics, specifications, or conditions for use described in this catalog.
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For products which are controlled items subject to the "Foreign Exchange and Foreign Trade Law" of Japan, the export license specified by the law is required for export.
- This catalog is current as of June 2011.

<http://www.nec-tokin.com>

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