

# Large-Current Choke Coils MPC Series

[RoHS Compliant]



• Precautions (see page 93)

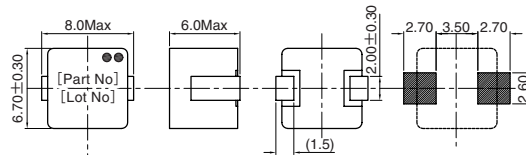
Model	Inductance ( $\mu$ H) at 100KHz	DC resistance (m $\Omega$ ) typ.	Rated current (A)
MPC0750LR60	0.60 $\pm$ 20%	2.30 $\pm$ 15%	17.0
MPC1040LR36	0.36 $\pm$ 20%	1.05 $\pm$ 10%	25.5
MPC1040LR45	0.45 $\pm$ 20%	1.10 $\pm$ 10%	25.0
MPC1040LR56	0.56 $\pm$ 20%	1.30 $\pm$ 10%	23.0
MPC1040LR88	0.88 $\pm$ 20%	2.30 $\pm$ 10%	17.0
MPC1055LR36	0.36 $\pm$ 20%	0.75 $\pm$ 10%	32.0
MPC1055LR180	1.00 $\pm$ 20%	2.30 $\pm$ 10%	18.5
MPC1250LR36	0.36 $\pm$ 20%	0.65 $\pm$ 10%	38.0
MPC1250LR50	0.50 $\pm$ 20%	0.80 $\pm$ 10%	35.0

● Rated current : T=40K rise at rated current.

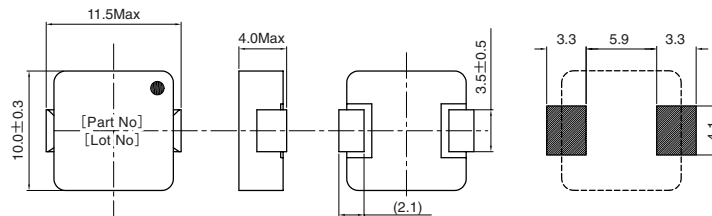
## Shape and Dimensions

## Recommended Land Pattern

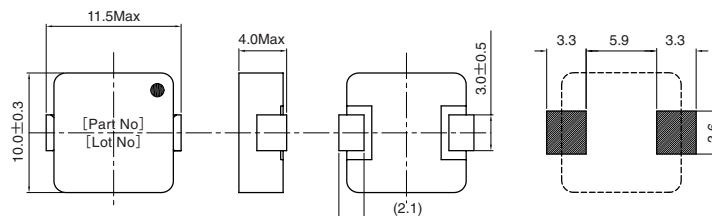
### ● MPC0750LR60



### ● MPC1040LR36 ● MPC1040LR45 ● MPC1040LR56



### ● MPC1040LR88

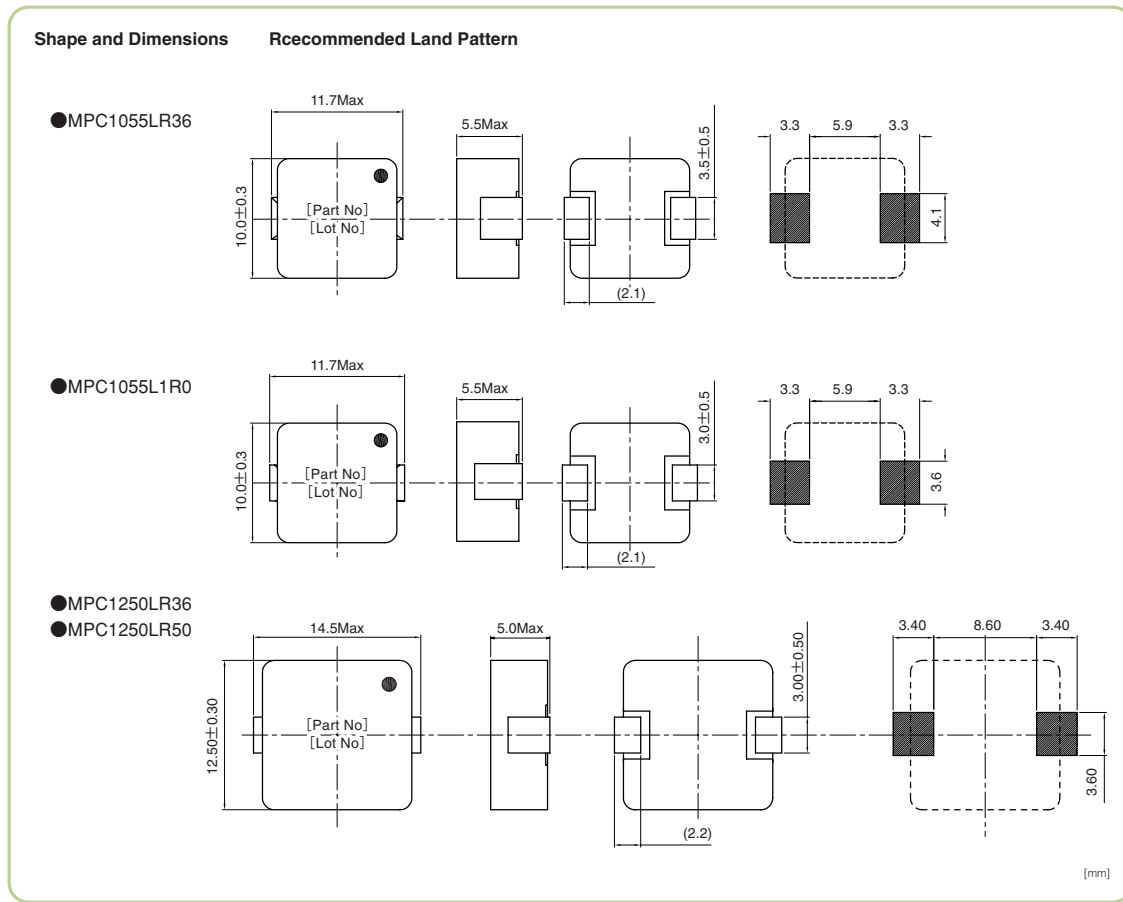


[mm]

Choke Coils VOL.04



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Numbering System

**MPC - 1040 - LR36**

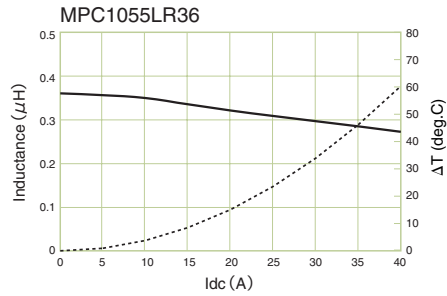
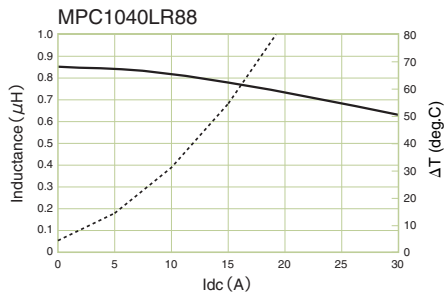
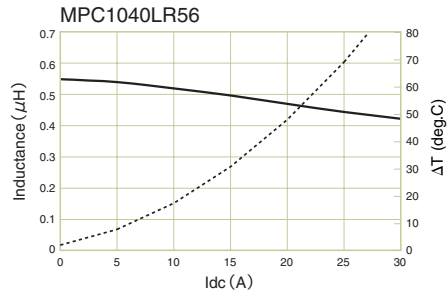
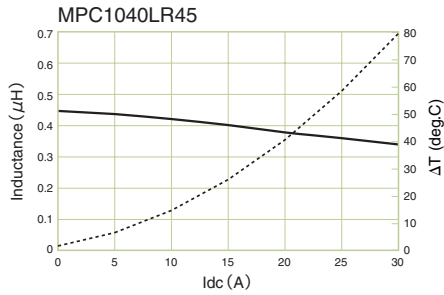
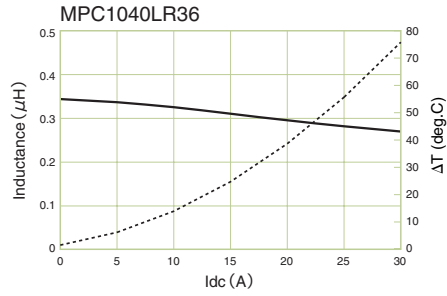
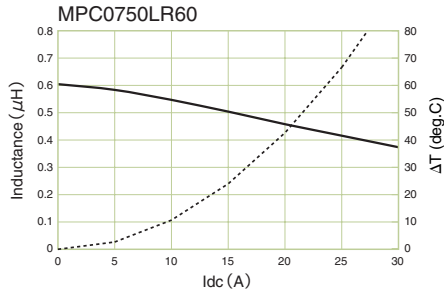
①    ②    ③

- ① Series
- ② Dimensions 10...WxD:11.5×10 mm 40...H:4.0 mm
- ③ Inductance R36...0.36μH



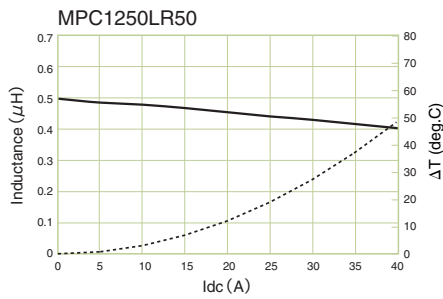
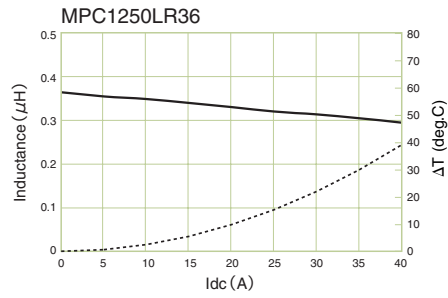
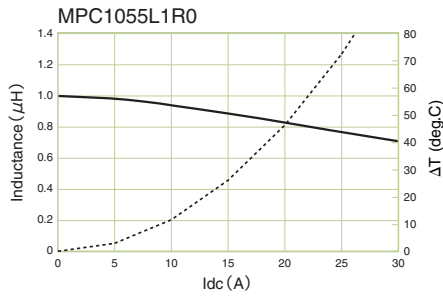
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DC-Superposed Characteristics



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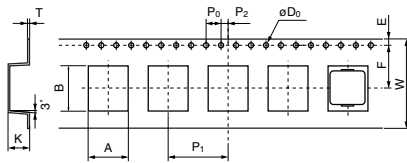
Temperature rise



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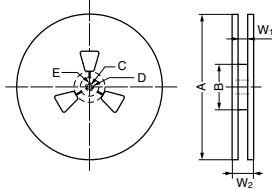
MPC0750 Series (1070pcs./reel)

Dimensions of indented square hole plastic tape



											[mm]
A	B	W	F	E	P <sub>1</sub>	P <sub>2</sub>	P <sub>0</sub>	øD <sub>0</sub>	T	K	
±0.1	±0.1	±0.2	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05	±0.1	
7.0	8.0	16.0	7.5	1.75	12.0	2.0	4.0	1.55	0.4	5.3	

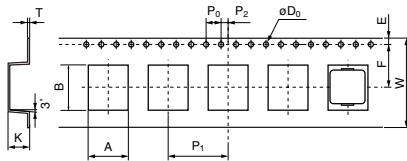
Reel dimensions



								[mm]
A	B	C	D	E	r	W <sub>1</sub>	W <sub>2</sub>	
±2.0	±1.0	±0.2	±0.8	±0.5		±1.0	±1.0	
ø330	ø80	ø13.0	ø21.0	2.0	R1.0	17.5	21.5	

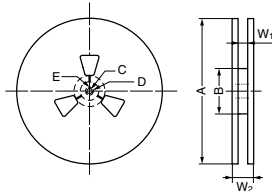
MPC1040 Series (1000pcs./reel)

Dimensions of indented square hole plastic tape



											[mm]
A	B	W	F	E	P <sub>1</sub>	P <sub>2</sub>	P <sub>0</sub>	øD <sub>0</sub>	T	K	
±0.1	±0.1	±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05	±0.1	
10.5	12.1	24.0	11.5	1.75	16.0	2.0	4.0	1.55	0.4	5.2	

Reel dimensions



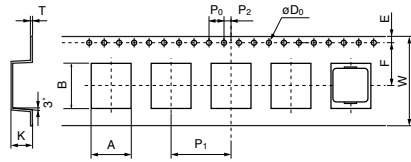
								[mm]
A	B	C	D	E	r	W <sub>1</sub>	W <sub>2</sub>	
±5.0	±5.0	±0.5	±1.0	±0.5		±2.0	±3.0	
ø330	ø80	ø13.5	ø21.0	2.0	R1.0	24.4	30.4	



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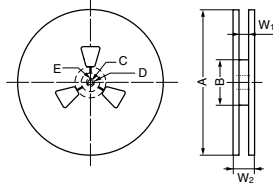
**MPC1055 Series (500pcs./reel)**

**Dimensions of indented square hole plastic tape**



											[mm]
A	B	W	F	E	P <sub>1</sub>	P <sub>2</sub>	P <sub>0</sub>	øD <sub>0</sub>	T	K	
±0.1	±0.1	±0.2	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05	±0.1	
10.5	12.1	24.0	11.5	1.75	24.0	2.0	4.0	1.55	0.4	6.0	

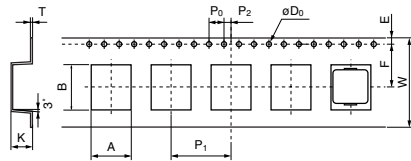
**Reel dimensions**



								[mm]
A	B	C	D	E	r	W <sub>1</sub>	W <sub>2</sub>	
±2.0	±1.0	±0.5	±0.8	±0.5		±2.0	±3.0	
ø380	ø100	ø13.0	ø21.0	2.0	R1.0	24.4	30.4	

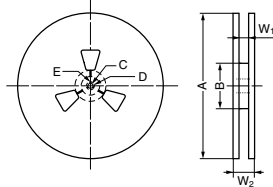
**MPC1250 Series (500pcs./reel)**

**Dimensions of indented square hole plastic tape**



											[mm]
A	B	W	F	E	P <sub>1</sub>	P <sub>2</sub>	P <sub>0</sub>	øD <sub>0</sub>	T	K	
±0.2	±0.2	±0.4	±0.2	±0.2	±0.2	±0.2	±0.2	±0.02	±0.1	±0.2	
13.1	14.6	24.0	11.5	1.75	24.0	2.0	4.0	1.5	0.4	5.3	

**Reel dimensions**



								[mm]
A	B	C	D	E	r	W <sub>1</sub>	W <sub>2</sub>	
±2.0	±5.0	±0.5	±0.8	±0.5		±2.0	±3.0	
ø380	ø100	ø13.0	ø21.0	2.0	R1.0	25.5	28.5	



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