

Large-Current Choke Coils MPC Series

[RoHS Compliant]



• Precautions (see page 93)

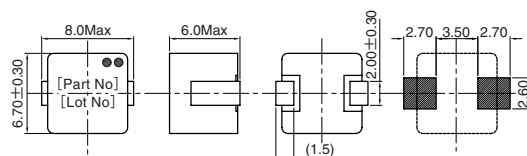
Model	Inductance (μ H) at 100KHz	DC resistance (m Ω) typ.	Rated current (A)
MPC0750LR60	0.60 $\pm$ 20%	2.30 $\pm$ 15%	17.0
MPC1040LR36	0.36 $\pm$ 20%	1.05 $\pm$ 10%	25.5
MPC1040LR45	0.45 $\pm$ 20%	1.10 $\pm$ 10%	25.0
MPC1040LR56	0.56 $\pm$ 20%	1.30 $\pm$ 10%	23.0
MPC1040LR88	0.88 $\pm$ 20%	2.30 $\pm$ 10%	17.0
MPC1055LR36	0.36 $\pm$ 20%	0.75 $\pm$ 10%	32.0
MPC1055L1R0	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.

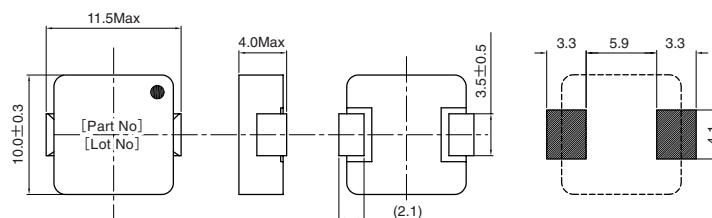
Shape and Dimensions

Recommended Land Pattern

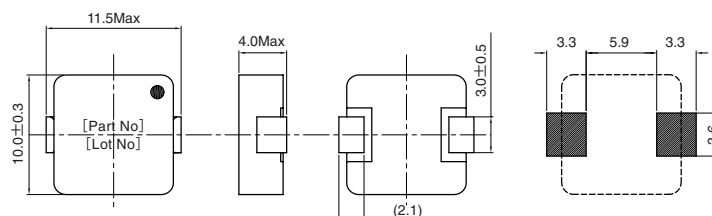
● MPC0750LR60



● MPC1040LR36 ● MPC1040LR45 ● MPC1040LR56



● MPC1040LR88



[mm]

Choke Coils VOL.04

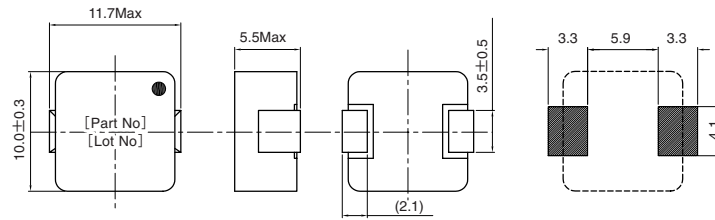


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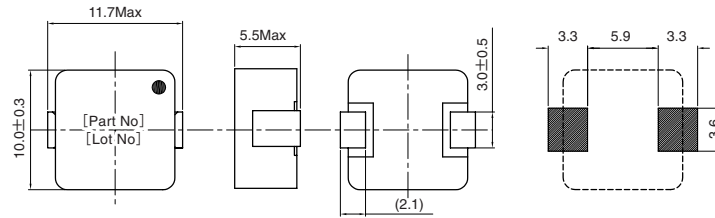
Shape and Dimensions

Recommended Land Pattern

●MPC1055LR36

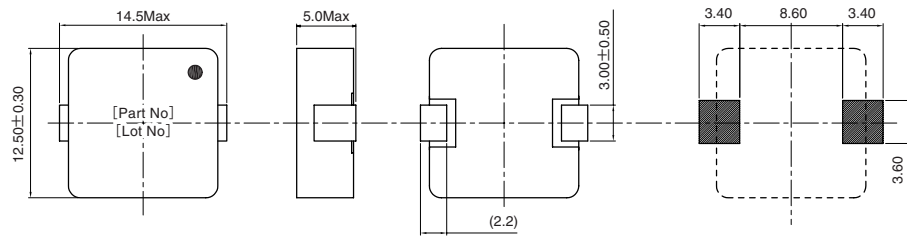


●MPC1055L1R0



●MPC1250LR36

●MPC1250LR50



[mm]

Numbering System

MPC - 1040 - LR36

① ② ③

① Series

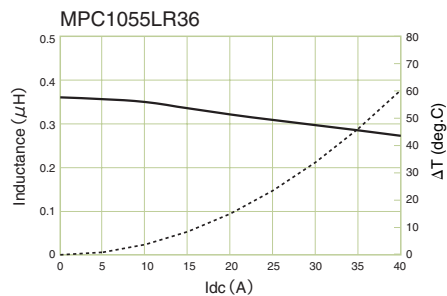
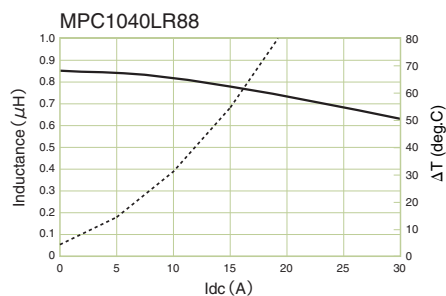
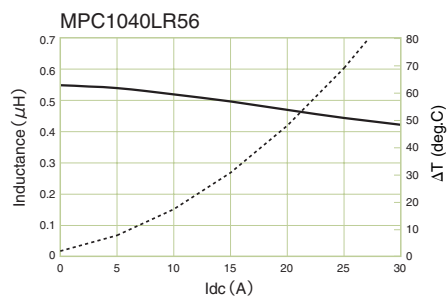
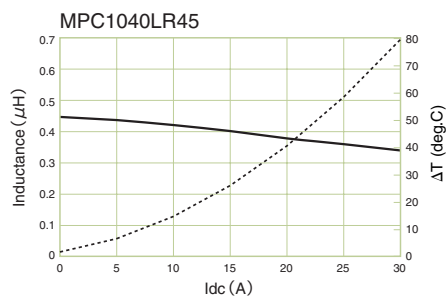
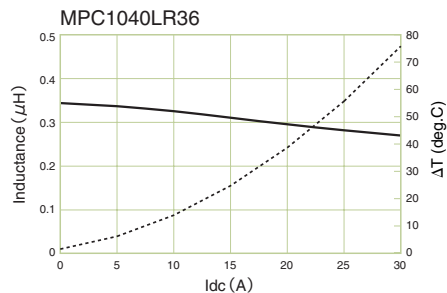
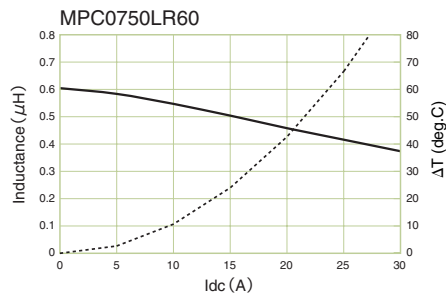
② Dimensions 10...WxD:11.5×10 mm 40...H:4.0 mm

③ Inductance R36...0.36μH



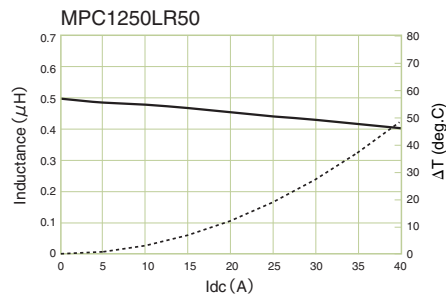
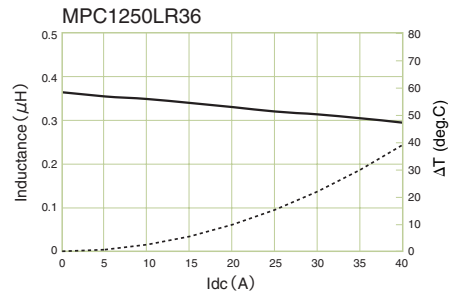
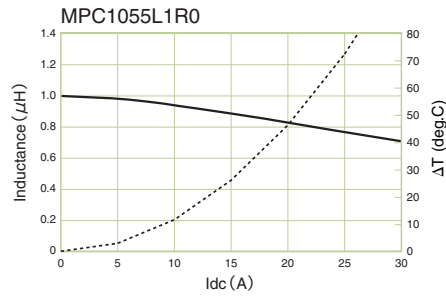
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DC-Superposed Characteristics



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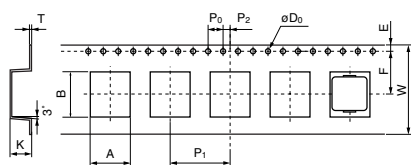
Temperature rise



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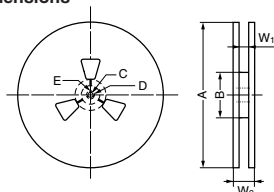
MPC0750 Series (1070pcs./reel)

Dimensions of indented square hole plastic tape



[mm]										
A	B	W	F	E	P ₁	P ₂	P ₀	øD ₀	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

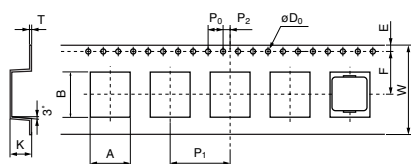
Reel dimensions



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

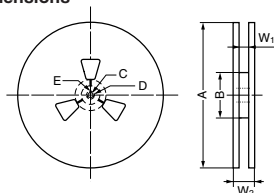
MPC1040 Series (1000pcs./reel)

Dimensions of indented square hole plastic tape



[mm]										
A	B	W	F	E	P ₁	P ₂	P ₀	øD ₀	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



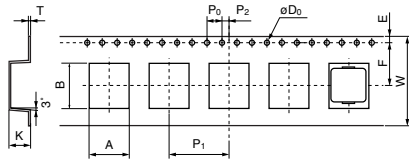
[mm]							
A	B	C	D	E	r	W ₁	W ₂
±5.0	±5.0	±0.5	±1.0	±0.5			
ø330	ø80	ø13.5	ø21.0	2.0	R1.0	24.4	30.4



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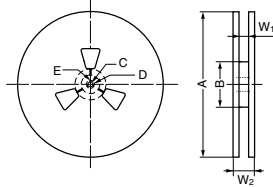
MPC1055 Series (500pcs./reel)

Dimensions of indented square hole plastic tape



[mm]										
A	B	W	F	E	P ₁	P ₂	P ₀	øD ₀	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

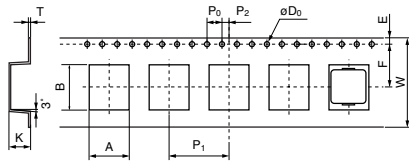
Reel dimensions



[mm]							
A	B	C	D	E	r	W ₁	W ₂
±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

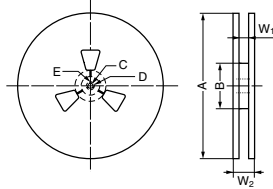
MPC1250 Series (500pcs./reel)

Dimensions of indented square hole plastic tape



[mm]										
A	B	W	F	E	P ₁	P ₂	P ₀	øD ₀	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 ₁	W ₂
±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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