

Large-Current Choke Coils

MPC Series

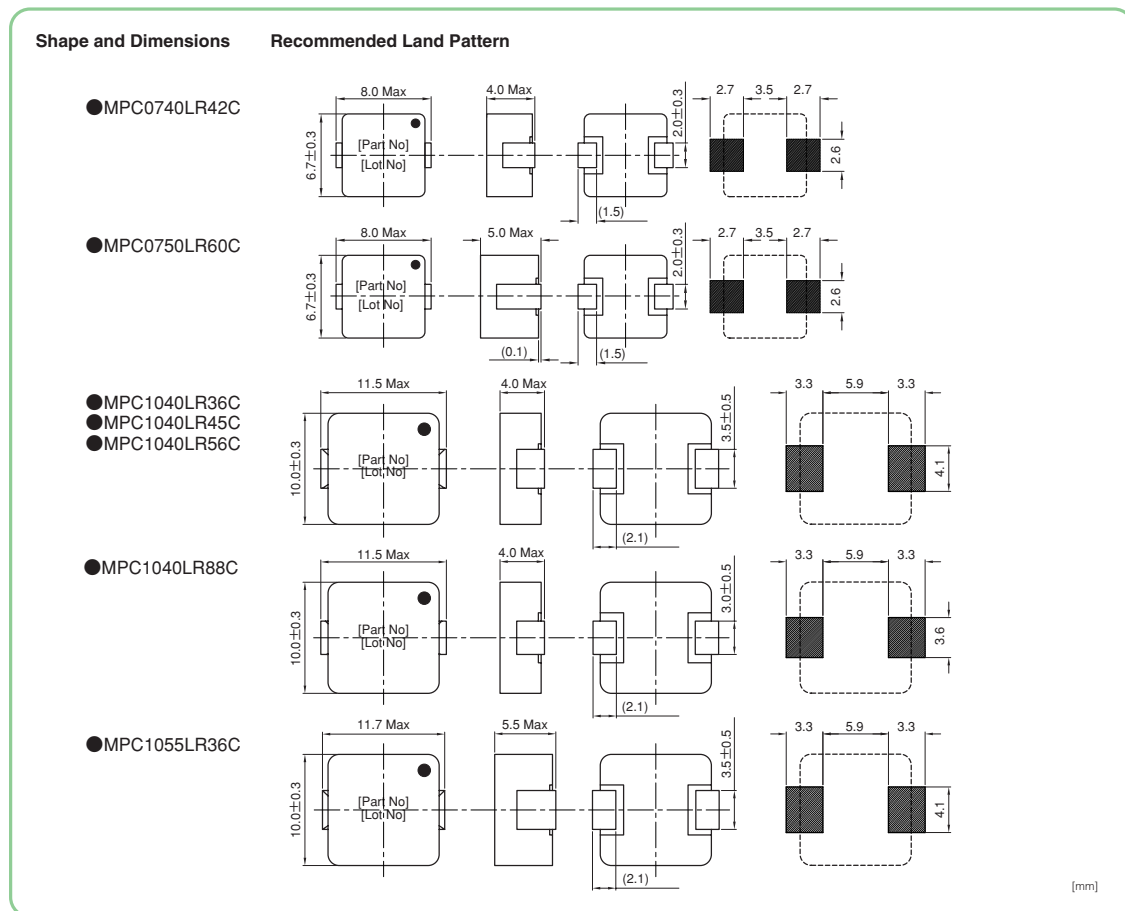
[RoHS Compliant]



• Precautions (see page 93)

Model	Inductance (μH) at 100kHz	DC resistance (m Ω) typ.	Rated current (A)	
			I _{rms} *1 (Ref.)	I _{sat} *2 (Ref.)
MPC0740LR42C	0.42 \pm 20%	1.55 \pm 10%	22.0	20.0
MPC0750LR60C	0.60 \pm 20%	2.30 \pm 10%	17.0	19.0
MPC1040LR36C	0.36 \pm 20%	1.05 \pm 10%	25.5	30.0
MPC1040LR45C	0.45 \pm 20%	1.10 \pm 10%	25.0	27.0
MPC1040LR56C	0.56 \pm 20%	1.30 \pm 10%	23.0	25.0
MPC1040LR88C	0.88 \pm 20%	2.30 \pm 10%	17.0	24.0
MPC1055LR36C	0.36 \pm 20%	0.75 \pm 10%	32.0	35.0
MPC1055L1R0C	1.00 \pm 20%	2.30 \pm 10%	18.5	25.0
MPC1250LR36C	0.36 \pm 20%	0.65 \pm 10%	38.0	40.0
MPC1250LR50C	0.50 \pm 20%	0.80 \pm 10%	35.0	40.0

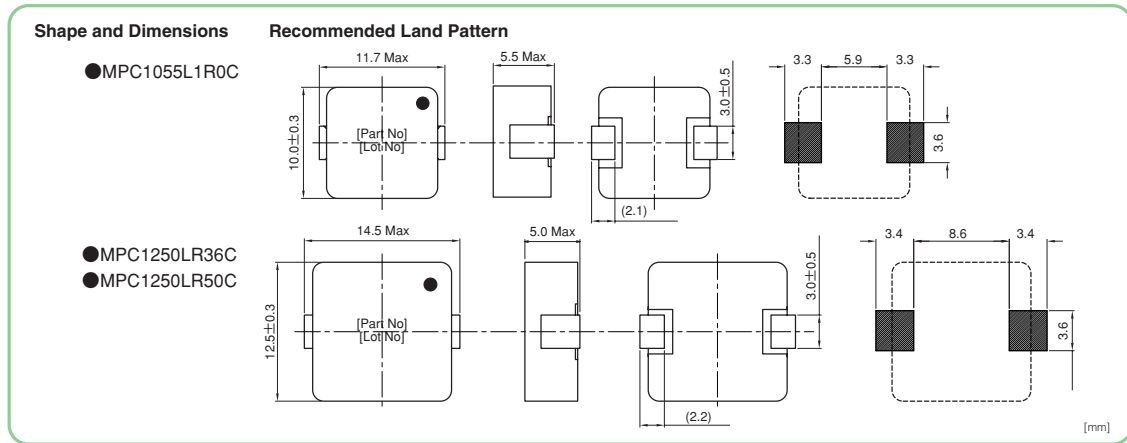
*1 T=40K rise at rated current. *2 Inductance drop 20% at rated current.



Choke Coils VOL.08



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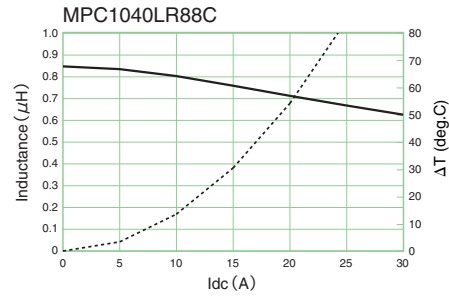
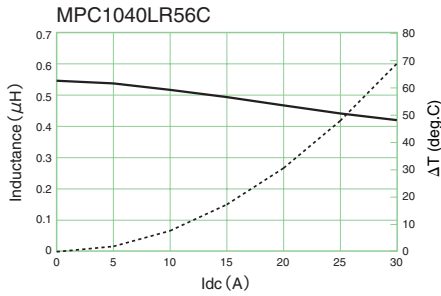
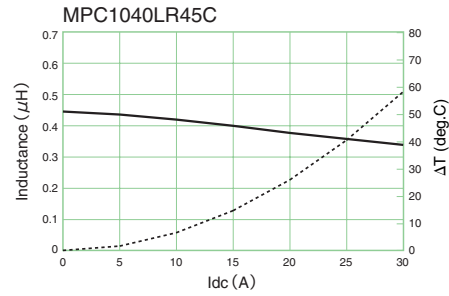
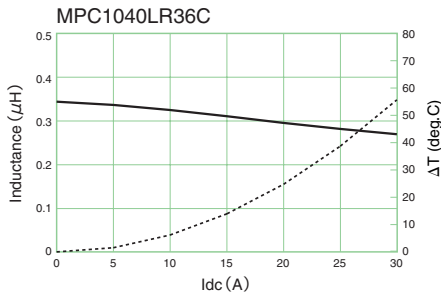
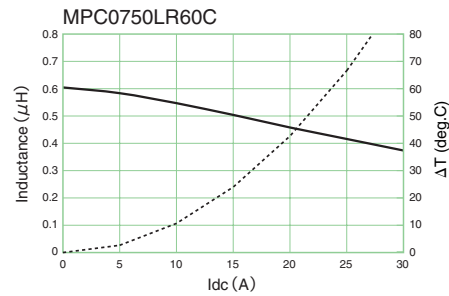
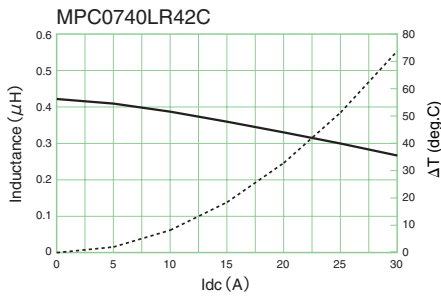
Numbering System

MPC - 1040 - LR36C

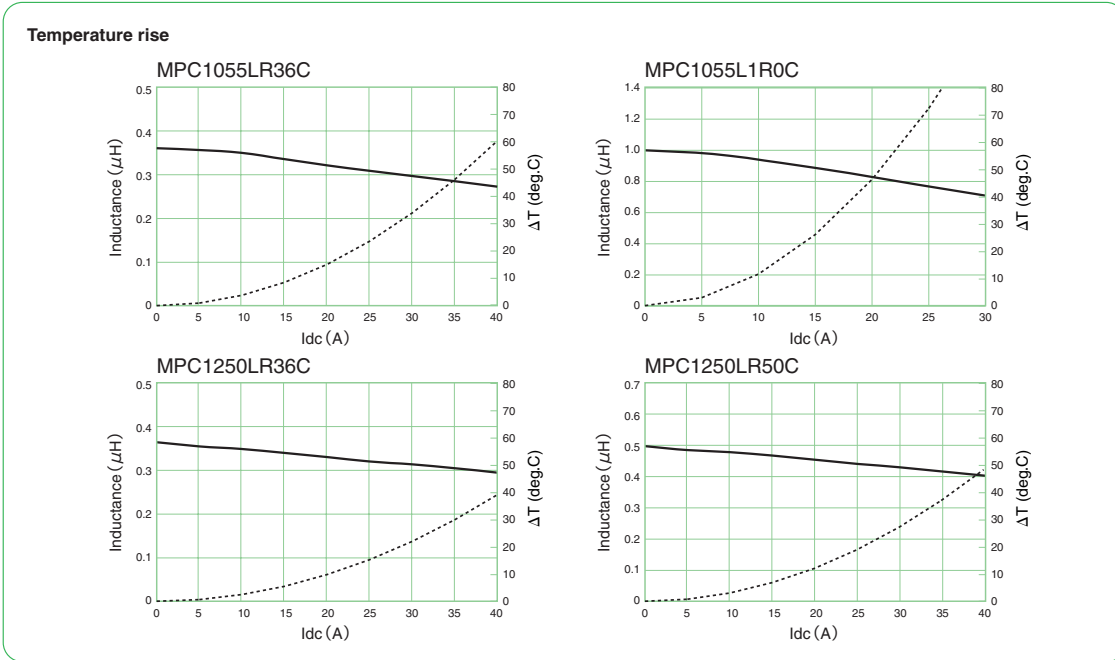
- ①
- ②
- ③

- ① Series
- ② Dimensions 10···W×D:11.5×10 mm 40···H:4.0 mm
- ③ Inductance R36···0.36μH

DC-Superposed Characteristics

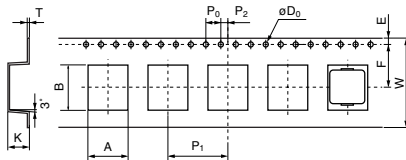


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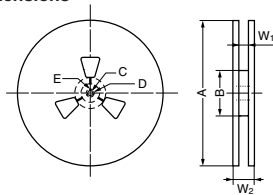
MPC0740, 0750 Series (1000pcs./reel)

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	±0.2	±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



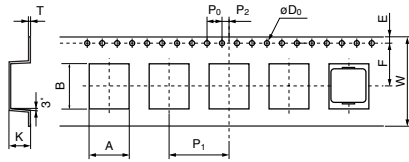
[mm]							
A	B	C	D	E	r	W ₁	W ₂
±2.0	±1.0	±0.2	±0.8	±0.5		±1.0	±1.0
ø330	ø80	ø13.0	ø21.0	2.0	R1.0	17.5	21.5



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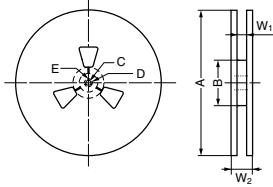
MPC1040 Series (500pcs./reel)

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	±0.3	±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

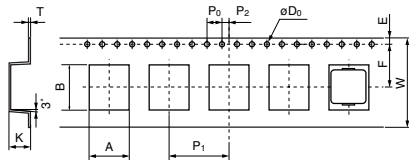
Reel dimensions



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

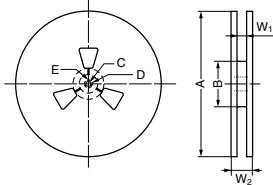
MPC1055 Series (500pcs./reel)

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

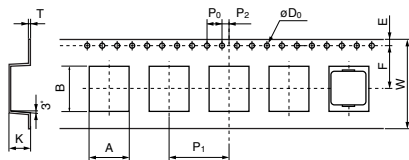
Reel dimensions



[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

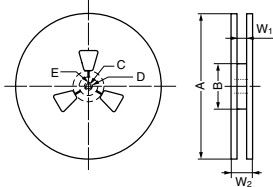
MPC1250 Series (500pcs./reel)

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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