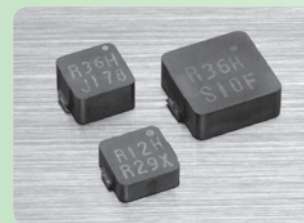


Large-Current Power Inductors MPCH Series

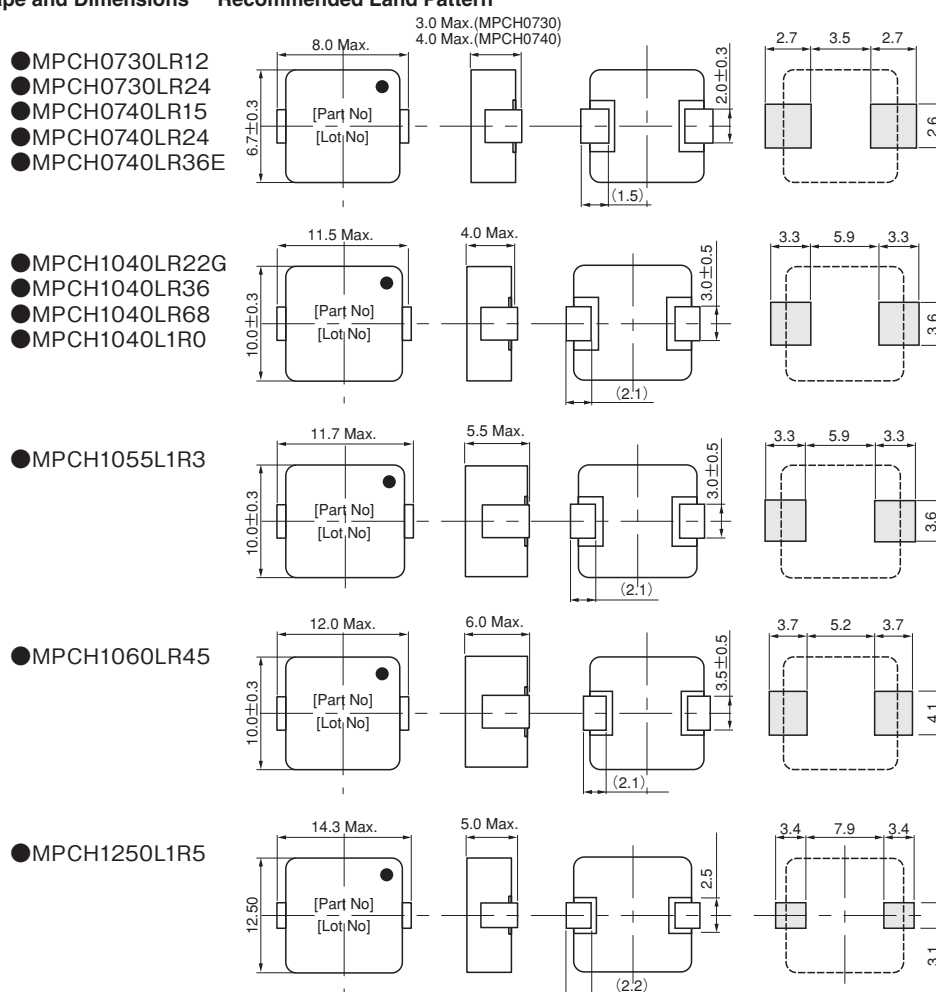
[RoHS Compliant]



Model	Inductance L (μH) at 100kHz	DC resistance RDC (mΩ)	Rated current (A)	
			I _{rms} *1 (Ref.)	I _{sat} *2 (Ref.)
MPCH0730LR12	0.12±20%	0.65±10%	31.0	32.0
MPCH0730LR24	0.24±20%	1.20±10%	23.0	18.5
MPCH0740LR15	0.15±20%	0.93±10%	29.0	31.0
MPCH0740LR24	0.24±20%	0.96±10%	27.0	20.0
MPCH0740LR36E	0.36±20%	1.42±10%	23.0	22.0
MPCH1040LR22G	0.22±20%	0.65±10%	32.0	35.0
MPCH1040LR36	0.36±20%	0.88±10%	28.0	24.0
MPCH1040LR68	0.68±20%	1.35±10%	22.0	24.0
MPCH1040L1R0	1.00±20%	2.30±10%	17.0	17.0
MPCH1055L1R3	1.30±20%	2.30±10%	18.5	17.0
MPCH1060LR45	0.45±20%	0.76±10%	32.0	32.0
MPCH1250L1R5	1.50±20%	2.20±10%	21.0	21.0

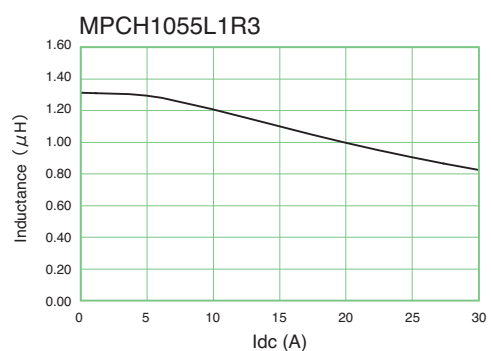
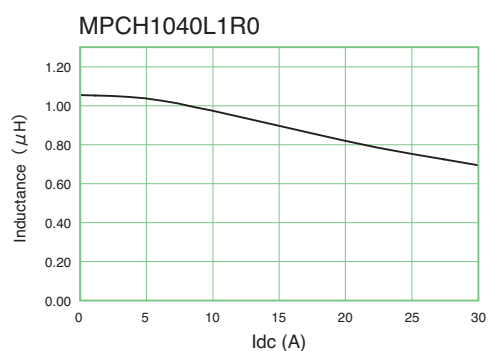
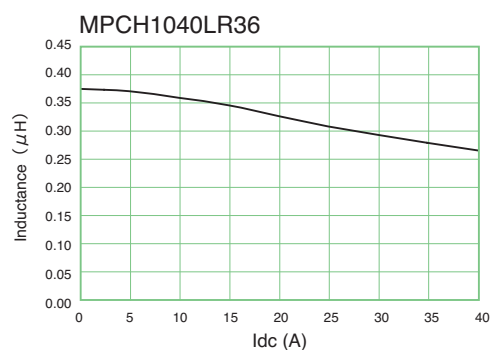
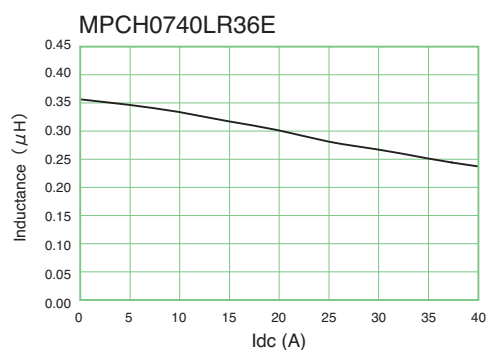
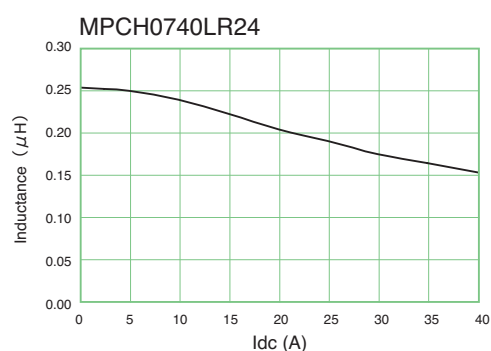
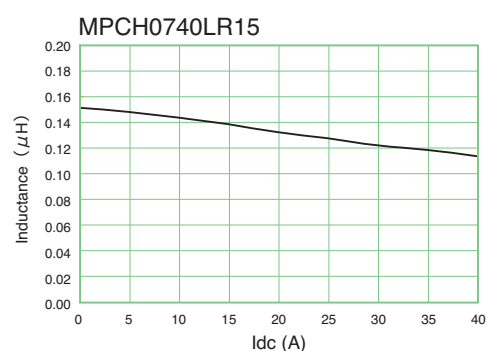
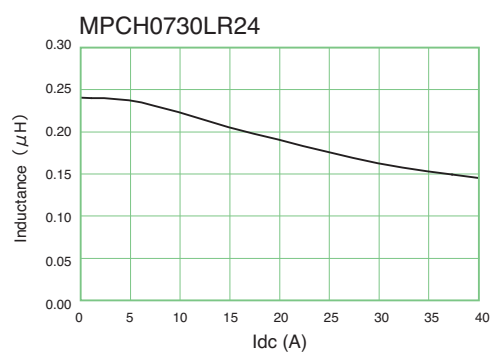
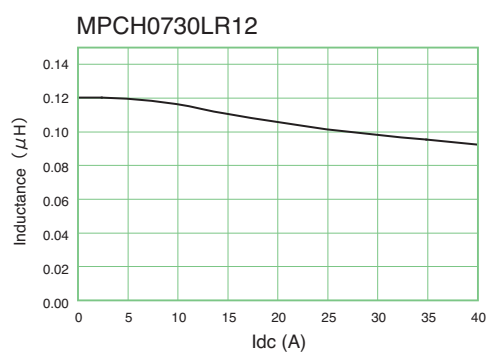
*1 T=40K rise at rated current. *2 Inductance drop 20% at rated current.
● Operating temperature range: -20 to +120°C (Including self-temperature rise)

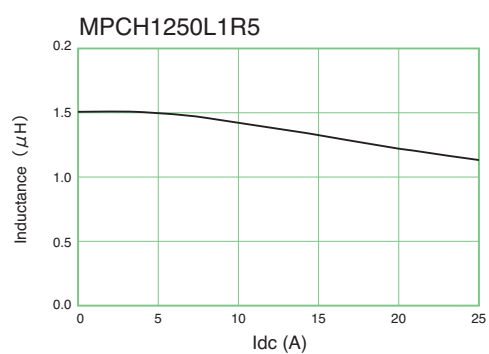
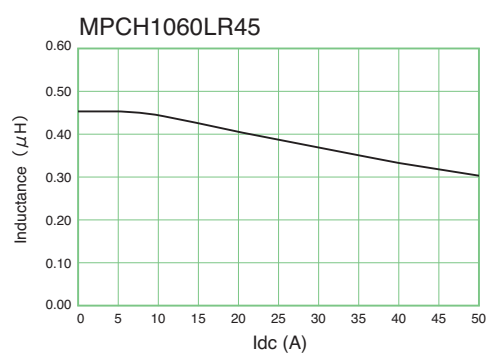
Shape and Dimensions Recommended Land Pattern



[mm]

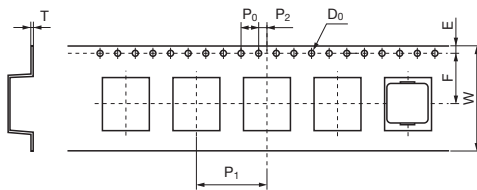
DC-Superposed Characteristics



DC-Superposed Characteristics


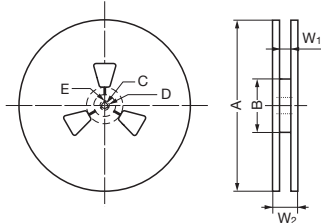
MPCH0730, MPCH0740 Series (1000pcs./reel)

Dimensions of indented square hole plastic tape



[mm]							
W	F	E	P ₁	P ₂	P ₀	D ₀	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

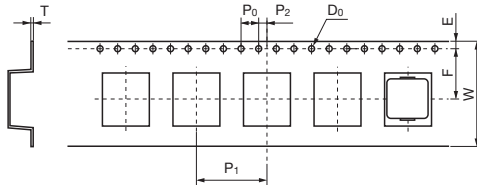
Reel dimensions



[mm]							
A	B	C	D	E	r	W ₁	W ₂
±2.0	±1.0	±0.2	±0.8	±0.5		±1.0	±1.0
330	80	13.0	21.0	2.0	R1.0	17.5	21.5

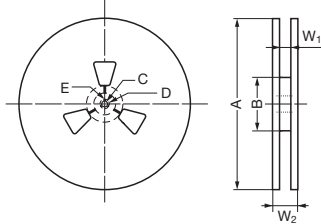
MPCH1040 Series (500pcs./reel)

Dimensions of indented square hole plastic tape



[mm]							
W	F	E	P ₁	P ₂	P ₀	D ₀	T
±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05
24.0	11.5	1.75	16.0	2.0	4.0	1.55	0.4

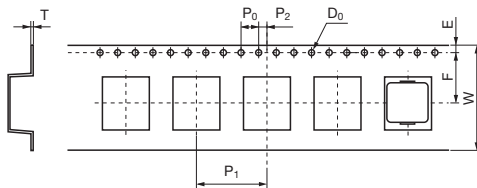
Reel dimensions



[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
330	80	13.5	21.0	2.0	R1.0	24.4	30.4

MPCH1055, MPCH1060, MPCH1250 Series (500pcs./reel)

Dimensions of indented square hole plastic tape

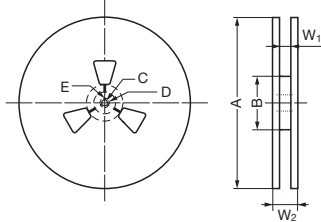


MPCH1055 Series [mm]							
W	F	E	P ₁	P ₂	P ₀	D ₀	T
±0.2	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05
24.0	11.5	1.75	24.0	2.0	4.0	1.55	0.4

MPCH1060 Series [mm]							
W	F	E	P ₁	P ₂	P ₀	D ₀	T
±0.2	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05
24.0	11.5	1.75	24.0	2.0	4.0	1.55	0.4

MPCH1250 Series [mm]							
W	F	E	P ₁	P ₂	P ₀	D ₀	T
±0.2	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.05
24.0	11.5	1.75	24.0	2.0	4.0	1.55	0.4

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
380	100	13.0	21.0	2.0	R1.0	24.4	30.4