



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Muilt - 6 Pack, Inductors and Transformers

PM600 / PM610 / PM620 Series

Special Features:

- Six windings offer many inductor or transformer configuration
- High magnetic coupling
- Non-gapped and gapped core construction
- Low core loss at high frequency applications
- Low noise radiation
- Compact size and low profile
- Dielectric strength: 500 Vrms between windings
- Operating temperature: -40 to +105 °C
- Tape & Reel packaging:
 - PM600, 600/reel
 - PM610, 300/reel
 - PM620, 200/reel

Typical Applications:

- Inductors: buck, boost, buck-boost, coupled, input, output, choke, filter, resonant, high-Q, EMI/RFI filtering, differential, forward, common mode
- Transformers: flyback, forward, push-pull, bridge, multiple outputs, inverter, step-up, step-down, gate drive, base drive, signal, wide band, pulse, impedance, isolation, converter

Notes:

1. Saturation current is rated to each winding that causes inductance to drop 30% from its initial value.
2. Rms current is rated to each winding that causes 40°C temperature rise.
3. PM600-01, -02, PM610-01, -02
PM620-01, -02 are non gap core.

Part Number	L (uH) @ 100KHz	DCR (Ω) Max.	Isat (A)	Irms (A)
PM600-01	201.6 ±30%	0.324	0.02	0.46
PM600-02	89.6 ±30%	0.137	0.03	0.71
PM600-03	27.4 ±10%	0.324	0.31	0.46
PM600-04	12.2 ±10%	0.137	0.47	0.71
PM600-05	14.7 ±10%	0.324	0.58	0.46
PM600-06	6.5 ±10%	0.137	0.87	0.71
PM600-07	10.9 ±10%	0.324	0.88	0.46
PM600-08	4.9 ±10%	0.137	1.32	0.71
PM600-09	8.5 ±10%	0.324	1.23	0.46
PM600-10	3.8 ±10%	0.137	1.85	0.71
PM610-01	160.0 ±30%	0.202	0.04	0.68
PM610-02	78.4 ±30%	0.094	0.06	1.00
PM610-03	21.6 ±10%	0.202	0.67	0.68
PM610-04	10.6 ±10%	0.094	0.96	1.00
PM610-05	11.6 ±10%	0.202	1.30	0.68
PM610-06	5.7 ±10%	0.094	1.86	1.00
PM610-07	8.3 ±10%	0.202	2.00	0.68
PM610-08	4.1 ±10%	0.094	2.86	1.00
PM610-09	6.6 ±10%	0.202	2.30	0.68
PM610-10	3.2 ±10%	0.094	3.29	1.00
PM620-01	160.6 ±30%	0.094	0.03	1.28
PM620-02	77.0 ±30%	0.065	0.04	1.54
PM620-03	131.8 ±20%	0.094	0.08	1.28
PM620-04	63.2 ±20%	0.065	0.12	1.54
PM620-05	23.3 ±10%	0.094	0.36	1.28
PM620-06	11.2 ±10%	0.065	0.52	1.54
PM620-07	14.2 ±10%	0.094	0.76	1.28
PM620-08	6.8 ±10%	0.065	1.10	1.54
PM620-09	9.3 ±10%	0.094	1.11	1.28
PM620-10	4.5 ±10%	0.065	1.60	1.54
PM620-11	7.9 ±10%	0.094	1.40	1.28
PM620-12	3.8 ±10%	0.065	2.02	1.54

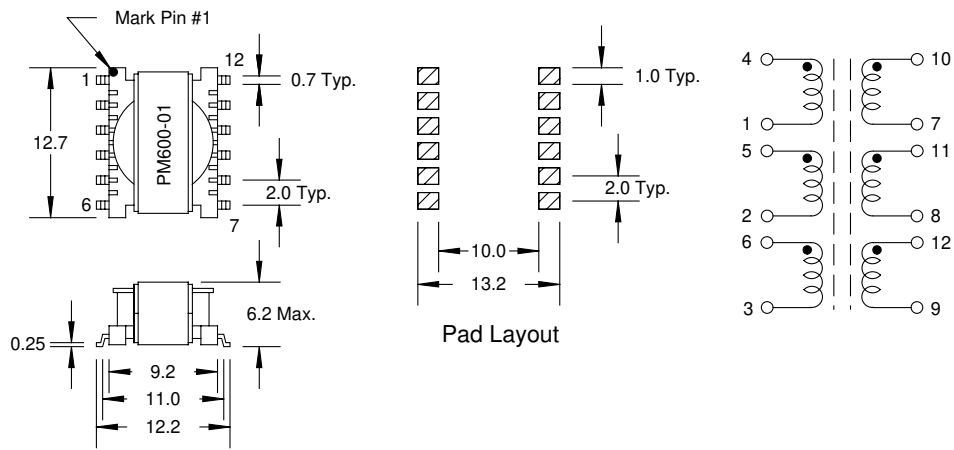
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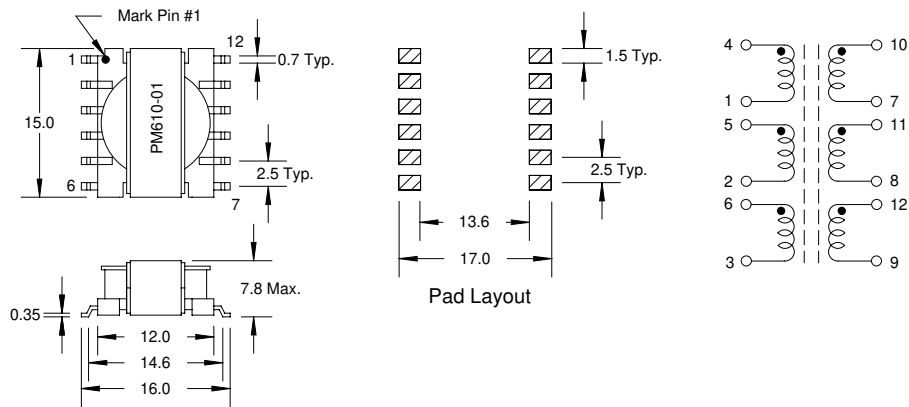
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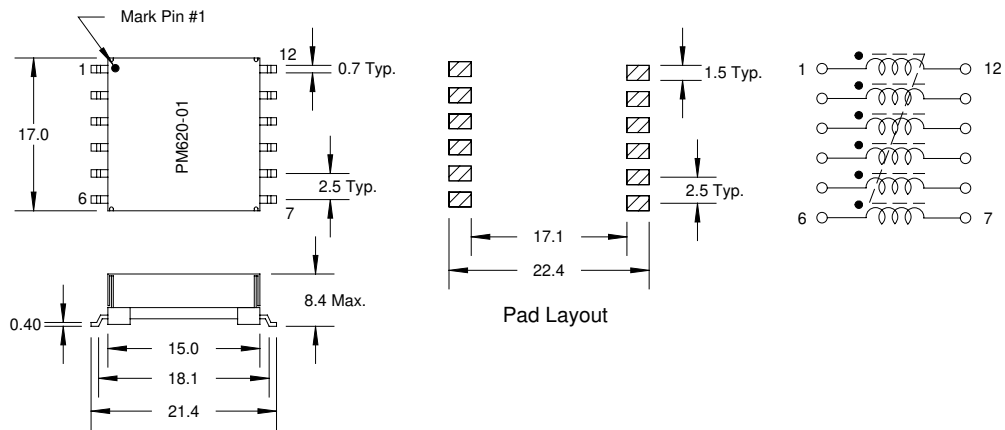
Mechanical Dimensions: (mm)



PM600-xx



PM610-xx



PM6200-xx

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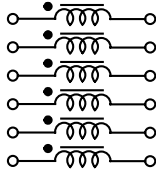
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Typical Configurations

Inductor



Basic Diagram
Inductance: L
Current: I

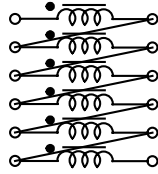


Figure 1
Inductance: $36 \times L$
Current: I

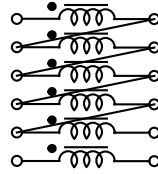


Figure 2
Inductance: $25 \times L$
Current: I

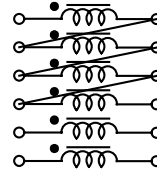


Figure 3
Inductance: $16 \times L$
Current: I

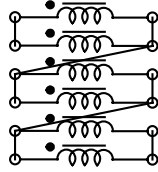


Figure 4
Inductance: $9 \times L$
Current: $2 \times I$

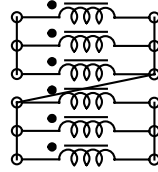


Figure 5
Inductance: $4 \times L$
Current: $3 \times I$

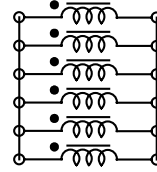
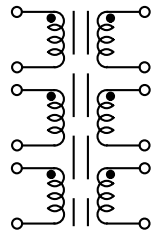


Figure 6
Inductance: L
Current: $6 \times I$

Transformer



Basic Diagram
Turns ratio:
 $1:1:1:1:1:1$

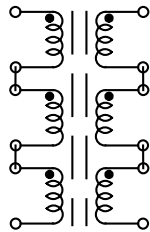


Figure 2
Turns ratio:
 $1:1$

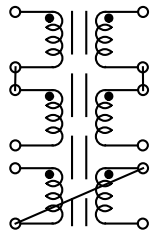


Figure 2
Turns ratio:
 $1:1:1$

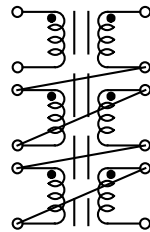


Figure 3
Turns ratio:
 $1:5$ or $5:1$

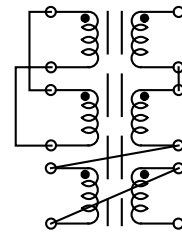


Figure 4
Turns ratio:
 $1:4$ or $4:1$

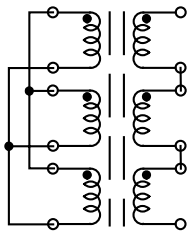


Figure 5
Turns ratio:
 $1:3$ or $3:1$

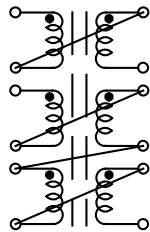


Figure 6
Turns ratio:
 $1:2$ or $2:1$

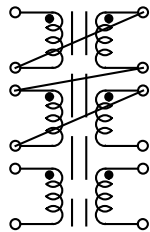


Figure 7
Turns ratio:
 $4:1:1$

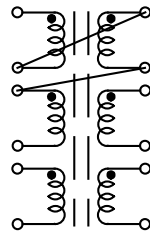


Figure 8
Turns ratio:
 $3:1:1:1$

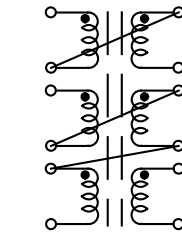


Figure 9
Turns ratio:
 $2:3$ or $3:2$

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