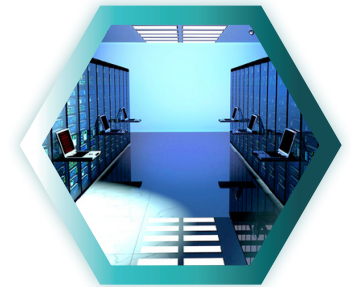


## POWER INDUCTORS

### HIGH CURRENT COMPOSITE CORE INDUCTORS

Our composite core inductors come in multiple platform sizes and provide a fully shielded, high energy storage, soft saturation solution for applications up to 120Apk current. The construction enables the highest energy density of any available SMT inductor and also minimizes acoustic noise. With both commercial grade (-40C to 125C) and automotive grade (-55C to 155C) offerings they cover a wide range of applications and markets including Datacom, Computing, Industrial and Automotive.

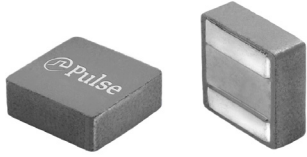


## FEATURES & BENEFITS

- Low Profile, High Current Applications
- Composite core material for higher energy storage density
- Lowest DCR/mm<sup>3</sup>
- Soft saturation characteristics
- Larger terminations for lower DCR and stronger solder joint
- Computing, Communications, Industrial and Automotive Applications
- Excellent temperature stability
- Handles high transient current spikes without saturation
- Suitable for High Frequency Applications

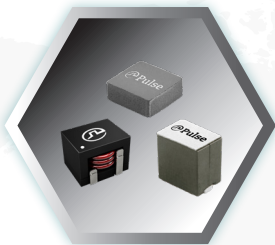
# POWER INDUCTORS

## HIGH CURRENT COMPOSIT CORE INDUCTORS



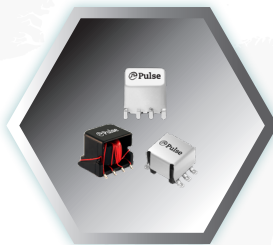
| Part Number   | Industry Size Code | Dimensions (mm Max) |      |      | Inductance (μH) |          |          |          |
|---------------|--------------------|---------------------|------|------|-----------------|----------|----------|----------|
|               |                    | L                   | W    | H    | 0.1             | 1        | 10       | 100      |
| PA5001/PM2201 | 4020               | 4.3                 | 4.3  | 2.1  | 33 Apk          | 6 Apk    |          |          |
| PA5430/PM5430 | 4030               | 4.3                 | 4.3  | 3.1  |                 | 5.5 Apk  | 3.6 Apk  |          |
| PA5431/PM5431 | 4040               | 4.3                 | 4.3  | 4.1  |                 |          | 4.0 Apk  | 2.9 Apk  |
| PA5002/PM2202 | 5020               | 5.7                 | 5.7  | 2.1  | 27 Apk          | 11.7 Apk |          |          |
| PA5003/PM2203 | 5030               | 5.7                 | 5.7  | 3.1  | 32.5 Apk        |          | 7 Apk    |          |
| PA5175/PM5175 | 5050               | 5.7                 | 5.7  | 5.0  |                 |          | 7.2 Apk  | 5.4 Apk  |
| PA5004/PM2204 | 6030               | 6.8                 | 6.6  | 3.1  | 36 Apk          |          | 8 Apk    |          |
| PA5005/PM2205 | 6050               | 6.8                 | 6.6  | 5.0  |                 | 20 Apk   | 6.8 Apk  |          |
| PA5432/PM5432 | 6060               | 6.8                 | 6.6  | 6.1  |                 | 10.5 Apk |          | 5.6 Apk  |
| PA5006/PM2206 | 7020               | 8.0                 | 7.8  | 2.1  | 32 Apk          | 20 Apk   |          |          |
| PA5007/PM2207 | 7030               | 8.0                 | 7.8  | 3.1  |                 | 28 Apk   |          | 9 Apk    |
| PA2240/PM2240 | 7070               | 8.0                 | 7.8  | 7.0  |                 |          | 15.1 Apk | 11 Apk   |
| PA2241/PM2241 | 8080               | 8.6                 | 8.3  | 8.0  |                 |          | 24 Apk   | 10 Apk   |
| PA2242/PM2242 | 1030               | 11.8                | 10.5 | 3.1  | 58 Apk          |          | 25 Apk   |          |
| PA2243/PM2243 | 1060               | 11.8                | 10.5 | 6.0  |                 | 50 Apk   |          | 22 Apk   |
| PA2244/PM2244 | 1010               | 11.8                | 10.5 | 10.0 |                 | 50 Apk   |          | 15.5 Apk |
| PA5433/PM5433 | 1580               | 16.8                | 15.8 | 8.0  |                 |          | 52 Apk   | 16 Apk   |
| PA2247/PM2247 | 1510               | 16.8                | 15.8 | 10.0 |                 |          | 39 Apk   | 16.7 Apk |
| PA2248/PM2248 | 1513               | 16.8                | 15.8 | 13.0 |                 |          | 44 Apk   | 19 Apk   |

### Other Great Products from Pulse Electronics



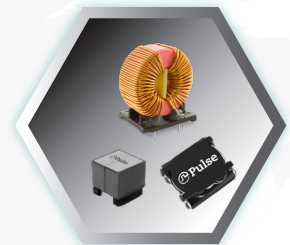
#### Power Inductors

- Power Bead, Molded, Composite, Drum Core and Toroid Constructions
- Over 100Apk



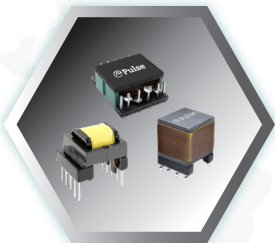
#### Isolation Transformers

- Push-pull, Flyback and H-Bridge topologies
- Functional, Basic and Reinforced Insulation
- Up to 5kVrms Hi-pot\*



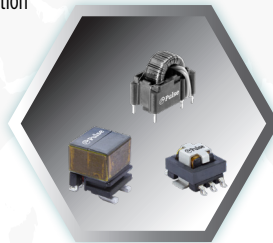
#### Common Mode Chokes

- NiZn, MnZn and Nanocrystalline Materials
- Up to 45Arms



#### Switch Mode Transformers

- Multiple Topologies
- Up to 2kW
- Functional, Basic and Reinforced Insulation



#### Current Sense Magnetics

- Functional, Basic and Reinforced Insulation
- Up to 40Arms