

# POWER INDUCTORS

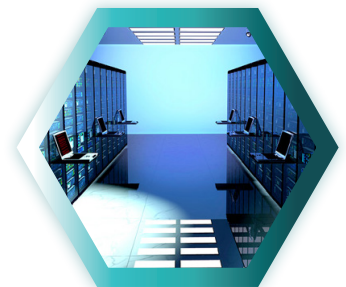
## HIGH CURRENT COMPOSITE CORE



## 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.

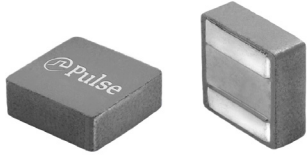


## FEATURES & BENEFITS

- 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

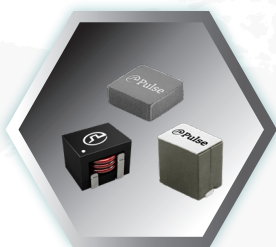
# POWER INDUCTORS

## HIGH CURRENT COMPOSIT CORE INDUCTORS



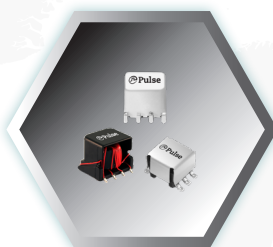
Part Number	Industry Size Code	Dimensions (mm Max)			Inductance (μH)			
		L	W	H	0.1	1	10	100
PA5001/PM2201	4020	4.3	4.3	2.1	33 Apk	6 Apk		
PA5430/PM5430	4030	4.3	4.3	3.1		5.5 Apk	3.6 Apk	
PA5431/PM5431	4040	4.3	4.3	4.1			4.0 Apk	2.9 Apk
PA5002/PM2202	5020	5.7	5.7	2.1	27 Apk	11.7 Apk		
PA5003/PM2203	5030	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



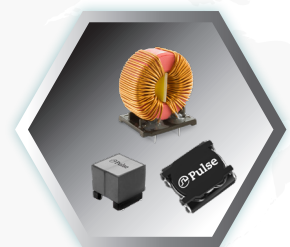
### Power Inductors

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



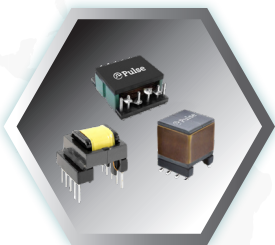
### Isolation Transformers

- 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