



## POWER INDUCTORS

### SHIELDED MAGNETIC RESIN INDUCTORS

Our magnetic resin inductors are available in several package sizes and families, all in compact form factors ranging from 2x2 to 8x8 mm footprints and heights ranging from 1.0 to 4.2 mm tall. A simple construction consisting of a drum core coated with a magnetic resin for shielding allows for minimal materials and efficient manufacturing that results in a low cost inductor suitable for a wide array of applications. The combination of small footprint, wide temperature range (-40 to 125C), soft saturation, and cost-effective design make these inductors ideal for low to mid-current range DC-DC converters in the Computing, Communications, Industrial, and Handheld/Wearable industries.



## FEATURES & BENEFITS

- Low Profile (1.0 to 3.2mm)
- Small footprint (2x2 to 8x8mm)
- Magnetically Shielded
- Soft saturation characteristics
- Industry Standard Footprints
- Computing, Communications, Industrial, and Handheld Applications
- Excellent temperature stability
- Handles transient current spikes without saturation
- Suitable for High Frequency Applications

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## SHIELDED MAGNETIC RESIN INDUCTORS



Part Number	Industry Size Code	Dimensions (mm Max)			Inductance (uH)				
		L	W	H	0.1	1	10	100	1000
PA4330	201610	2.2	1.8	1.0		3.1Apk	1.7Apk		
PA4335	252012	2.7	2.2	1.2	4Apk		0.85Apk		
PA4331	3010	3.2	3.2	1.2	4.2Apk		1Apk		
PA4334	3010	3.2	3.2	1.2	3Apk			0.25Apk	
PA5380	3012	3.2	3.2	1.4		1.9Apk		0.24Apk	
PA5381	3015	3.2	3.2	1.7		2.5Apk		0.18Apk	
PA4332	4018	4.2	4.2	2.0		5.8Apk	2Apk		
PA4336	4018	4.2	4.2	2.0	7.5Apk			0.48Apk	
PA5382	4026	4.2	4.2	2.8		3.5Apk	0.9Apk		
PA5383	4030	4.2	4.2	3.2		5.7Apk		0.73Apk	
PA5384	5020	5.2	5.2	2.2		5.1Apk		0.65Apk	
PA5385	5040	5.2	4.2	4.2		7.5Apk		0.7Apk	
PA5386	6020	6.2	6.2	2.2		6.2Apk	1.1Apk		
PA5387	6028	6.2	6.2	3.0		7.6Apk		0.75Apk	
PA4337	6045	6.3	6.3	4.5	15Apk				0.28Apk
PA4333	7030	7.4	6.8	3.2	14Apk		1.7Apk		
PA4338	8040	8.3	8.3	4.2		13.8Apk			0.6Apk

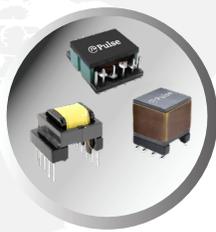
Production Released  
Pre-Production Released

## Other Great Products from Pulse Electronics



### Power Inductors

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



### Switch Mode Transformers

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



### Isolation Transformers

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



### Current Sense Magnetics

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



### Common Mode Chokes

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

Surface Mount and Through-hole Terminations • Catalog and Custom Solutions Available