

# Shielded, SMT Power Inductors

## Special Features

- Magnetic shielded for low radiation
- Ferrite bobbin core
- Low core loss for high frequency power applications
- Low profile, compact size
- Large terminal surface for good PCB bonding
- Operating temperature -40 to +85 °C
- Tape & reel packaged 2000/reel

## Typical Applications

- Desktop, notebook computers, servers
- Network hubs, bridges, routers
- xDSL, PBX base stations
- Cell phones, pagers, GPS systems
- PDAs, MP3 players, digital cameras
- Digital TVs, DVDs, cable modems, DSS set-top boxes
- Battery chargers
- High frequency wireless communication devices
- Electronic game devices

## Notes

- \* Rated current to cause max. 35 % of inductance drop and 30 °C temperature rise
- \*\* Closest alternative - these models are available on requests as projects only. Please consult a Bourns application engineer for the solution that best suits your needs.

PM518S Series				
Part Number	L (μH) ± 30 % @ 10 KHz	DCR (Ω) Max.	I* (A)	Bourns Equivalent
PM518S-4R1	4.1	0.057	1.95	
PM518S-5R4	5.4	0.076	1.60	
PM518S-6R2	6.2	0.096	1.40	
PM518S-8R9	8.9	0.116	1.25	
PM518S-100	10	0.124	1.20	
PM518S-120	12	0.153	1.10	
PM518S-150	15	0.196	0.97	
PM518S-180	18	0.210	0.85	
PM518S-220	22	0.290	0.80	SRR5018**
PM518S-270	27	0.330	0.75	
PM518S-330	33	0.386	0.65	
PM518S-390	39	0.520	0.57	
PM518S-470	47	0.595	0.54	
PM518S-560	56	0.665	0.50	
PM518S-680	68	0.840	0.43	
PM518S-820	82	0.978	0.41	
PM518S-101	100	1.20	0.36	

For RoHS compliant version, add "-RC" to part number.

