

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 -30 to +100 °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

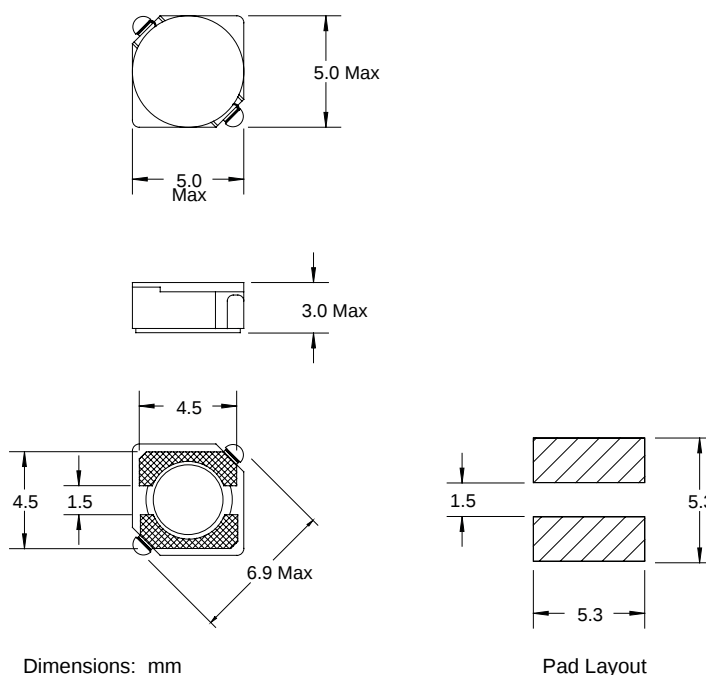
Notes

* Rated current to cause max. 35 % of inductance drop and 40 °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.

PM428S Series				
Part Number	L (μH) ± 30 % @ 100 KHz	DCR (Ω) Max.	I * (A)	Bourns Equivalent
PM428S-1R2	1.2	0.024	2.56	SRR4028**
PM428S-1R8	1.8	0.028	2.20	
PM428S-2R2	2.2	0.031	2.04	
PM428S-2R7	2.7	0.043	1.60	
PM428S-3R3	3.3	0.049	1.57	
PM428S-3R9	3.9	0.065	1.44	
PM428S-4R7	4.7	0.072	1.32	
PM428S-5R6	5.6	0.101	1.17	
PM428S-6R8	6.8	0.109	1.12	
PM428S-8R2	8.2	0.118	1.04	
PM428S-100	10	0.128	1.00	
PM428S-120	12	0.132	0.84	
PM428S-150	15	0.149	0.76	
PM428S-180	18	0.166	0.72	
PM428S-220	22	0.235	0.70	
PM428S-270	27	0.261	0.58	
PM428S-330	33	0.378	0.56	
PM428S-390	39	0.384	0.50	
PM428S-470	47	0.587	0.48	
PM428S-560	56	0.625	0.41	
PM428S-680	68	0.699	0.35	
PM428S-820	82	0.915	0.32	
PM428S-101	100	1.02	0.29	
PM428S-121	120	1.27	0.27	
PM428S-151	150	1.35	0.24	
PM428S-181	180	1.54	0.22	

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



BOURNS®

Tel. (877) 426-8767 • Fax (951) 781-5006

www.bourns.com