

Shielded, SMT Power Inductors



Model PM42S Series is currently available, although not recommended for new designs. [Model SRR4018](#) is preferred.

Special Features

- Ultra low profile
- Magnetic shielded for low radiation
- Ferrite bobbin core
- Low core loss for high frequency power applications
- Compact size
- Large terminal surface for good PCB bonding
- Operating temperature -30 to +100 °C
- Tape & reel packaged 1000/reel

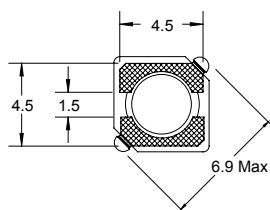
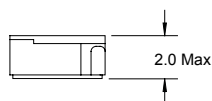
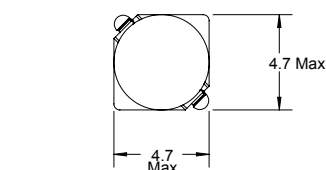
Notes

- * Current to cause max. 25 % of inductance drop, or 40 °C temperature rise

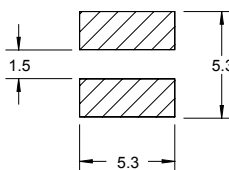
† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

PM42S Series					
Part Number	L (μH) ±30 %	Test Freq. (MHz)	DCR (Ω) Max.	I, DC* (A)	Bourns Equivalent
PM42S-1R0-RC	1.0	7.96	0.045	1.72	SRR4018
PM42S-2R2-RC	2.2	7.96	0.075	1.32	
PM42S-2R7-RC	2.7	7.96	0.105	1.28	
PM42S-3R3-RC	3.3	7.96	0.110	1.04	
PM42S-3R9-RC	3.9	7.96	0.155	0.88	
PM42S-4R7-RC	4.7	7.96	0.162	0.84	
PM42S-5R6-RC	5.6	7.96	0.170	0.80	
PM42S-6R8-RC	6.8	7.96	0.200	0.76	
PM42S-8R2-RC	8.2	7.96	0.245	0.68	
PM42S-100-RC	10	10 KHz	0.200	0.61	
PM42S-120-RC	12	10 KHz	0.210	0.56	
PM42S-150-RC	15	10 KHz	0.240	0.50	
PM42S-180-RC	18	10 KHz	0.338	0.48	
PM42S-220-RC	22	10 KHz	0.397	0.41	
PM42S-270-RC	27	10 KHz	0.441	0.35	
PM42S-330-RC	33	10 KHz	0.394	0.32	
PM42S-390-RC	39	10 KHz	0.709	0.30	
PM42S-470-RC	47	10 KHz	0.922	0.28	
PM42S-560-RC	56	10 KHz	1.08	0.26	
PM42S-680-RC	68	10 KHz	1.30	0.24	
PM42S-820-RC	82	10 KHz	1.56	0.22	
PM42S-101-RC	100	10 KHz	1.73	0.20	
PM42S-121-RC	120	10 KHz	2.39	0.18	
PM42S-151-RC	150	10 KHz	2.67	0.15	
PM42S-181-RC	180	10 KHz	4.00	0.14	

“-RC” suffix indicates RoHS compliance.



Dimensions: mm



Pad Layout

BOURNS®

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

www.bourns.com