

# Shielded, SMT Power Inductors

## 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
- \*\* 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.

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

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

