

# Shielded, SMT Power Inductors

## Special Features

- High current capacity
- Magnetically shielded
- Low DCR
- Ferrite bobbin core
- Low profile, compact size
- High heat resistance, ideal for reflow soldering
- High reliability
- Test frequency 1 KHz
- Operating temperature -20 to +105 °C
- Tape & reel packaged 400/reel

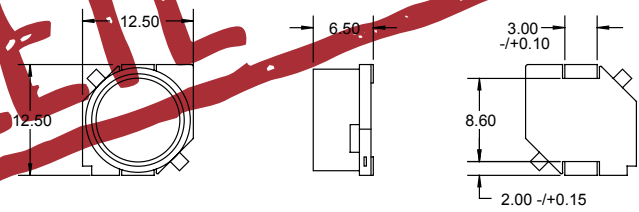
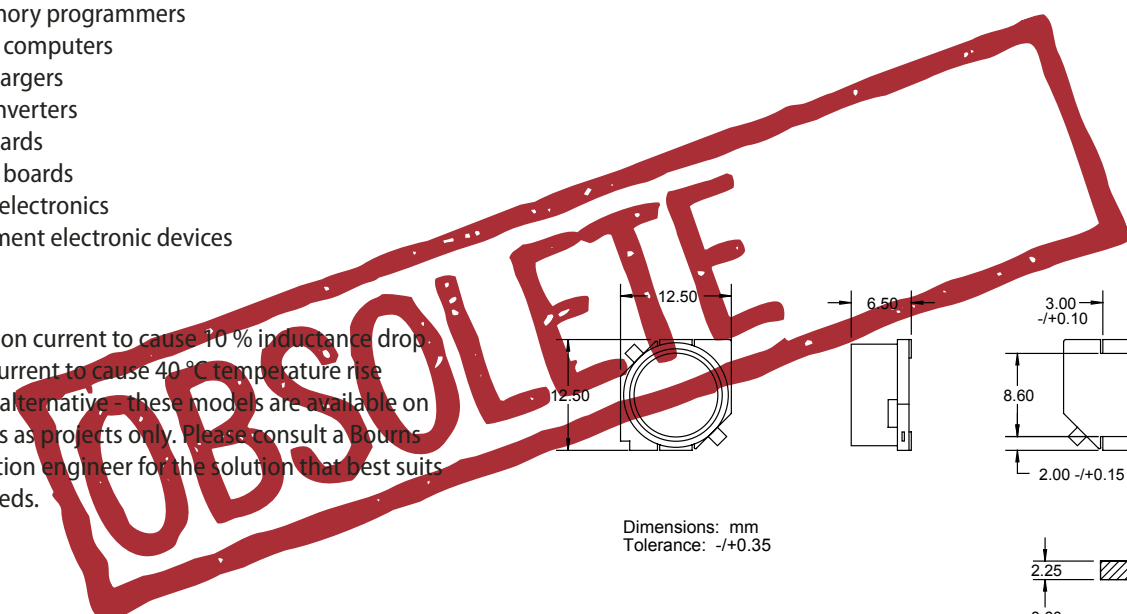
## Typical Applications

- High reliability, low magnetic coupling and densely packed board design
- Small cell phones
- PDAs
- Pagers
- Flash memory programmers
- Notebook computers
- Battery chargers
- DC/DC converters
- Network cards
- Switching boards
- Industrial electronics
- Entertainment electronic devices

## Notes

- \* Saturation current to cause 10 % inductance drop
- \*\* Rated current to cause 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.

PM12565S Series					
Part Number	L (μH) ± 30 %	DCR (Ω) Max.	I, sat.* (A)	I, rated** (A)	Bourns Equivalent
PM12565S-2R0-RC	2	0.014	10.0	6.2	SRR1260***
PM12565S-4R2-RC	4.2	0.018	7.3	5.5	
PM12565S-7R0-RC	7	0.021	5.7	5	
	± 20 %				
PM12565S-100M-RC	10	0.024	5.0	4.8	
PM12565S-150M-RC	15	0.028	4.2	4.4	
PM12565S-220M-RC	22	0.038	3.5	3.8	
PM12565S-330M-RC	33	0.049	2.8	3.4	
PM12565S-470M-RC	47	0.069	2.4	2.8	
PM12565S-680M-RC	68	0.094	2.0	2.4	
PM12565S-101M-RC	100	0.148	1.6	1.9	
PM12565S-221M-RC	220	0.328	1.0	1.2	



Dimensions: mm  
Tolerance: +/-0.35

