

Features

- Formerly **J.W. Miller** * models
- Shielded construction
- Unit height of 5.9 mm
- Inductance range: 0.22 µH to 10 µH
- Current up to 45 A
- RoHS compliant*

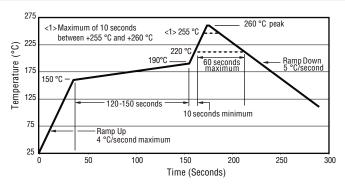
These series are currently available, but not recommended for new designs. The newer SRP1245A series is recommended.

PM12645S, PM12651S, PM13560S, PM13656S, PM13666S Series - Shielded Power Inductors

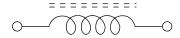
Electrical Specifications

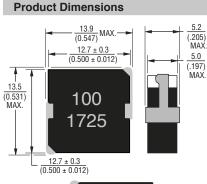
Bourns Part No.	Inductance L (µH) ±20 %	I rms (A)	l sat (A)	DCR (mΩ) max.
PM12645S-1R2M-RC	1.20	27	49	3.3
PM12645S-1R8M-RC	1.80	21	40	4.7
PM12645S-2R7M-RC	2.70	17	32	7.3
PM12651S-R50M-RC	0.50	36	55	1.5
PM12651S-4R7M-RC	4.70	12	27	15.0
PM12651S-9R0M-RC	9.00	10	18	22.5
PM13560S-6R0M-RC	6.00	9.5	14	10.0
PM13560S-100M-RC	10.0	9	16	25.5
PM13656S-R22M-RC	0.22	45	80	1.0
PM13656S-R50M-RC	0.50	36	55	1.5
PM13666S-1R0M-RC	1.00	29	50	2.5

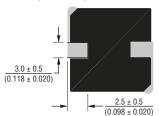
Soldering Profile



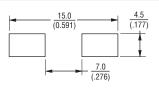
Electrical Schematic







Recommended Layout



DIMENSIONS: $\frac{MM}{(INCHES)}$



WARNING Cancer and Reproductive Harm - $\underline{www.P65Warnings.ca.gov}$

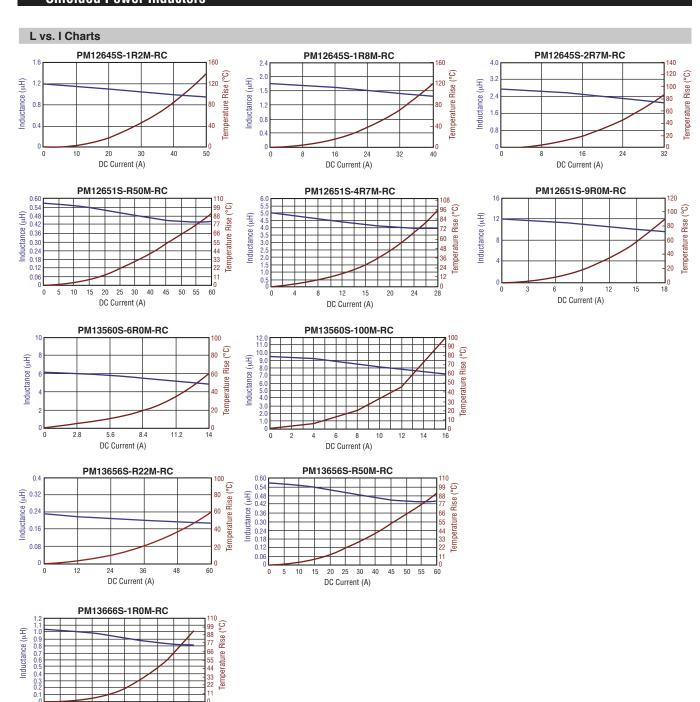
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

Applications

- Input/output of DC/DC converters
- Power supplies for:
 - · Portable communications equipment
 - Camcorders
 - LCD TVs

PM12645S, PM12651S, PM13560S, PM13656S, PM13666S Series - Shielded Power Inductors

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20 25 35 DC Current (A)

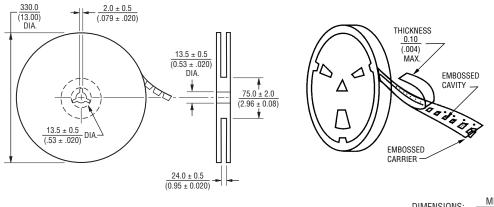
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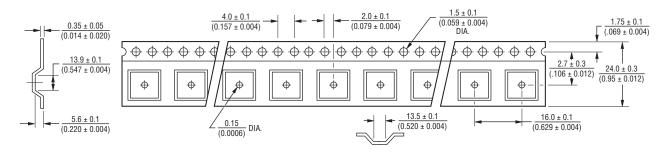
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PM12645S, PM12651S, PM13560S, PM13656S, PM13666S Series - Shielded Power Inductors

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Packaging Specifications





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Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 520 390 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

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