

Features

- \blacksquare Formerly J. W. Miller $^{\circ}$ model
- Available in E12 values
- Height of 4.5 mm maximum
- Current rating to 6.35 amps
- RoHS compliant*

Applications

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

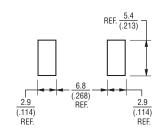
PM124SH Series - Shielded SMD Power Inductors

Electrical Specifications

	Inductand	ce 100 kHz	Q	Test Frequency	SRF Typ.	RDC Max.	l rms Max.	l sat Typ.
Bourns Part No.	(µH)	Tol. %	Тур.	(MHz)	(MHz)	(mΩ)	(A)	(A)
PM124SH-3R9Y-RC	3.9	± 30	14	7.96	39	15.0	6.35	6.20
PM124SH-4R7M-RC	4.7	± 20	16	7.96	33	18.0	6.00	5.60
PM124SH-6R8M-RC	6.8	± 20	14	7.96	34	23.0	5.20	4.70
PM124SH-8R2M-RC	8.2	± 20	10	7.96	32	27.0	4.50	4.30
PM124SH-100M-RC	10	± 20	17	2.52	27	32.0	4.00	4.00
PM124SH-120M-RC	12	± 20	16	2.52	25	38.0	3.80	3.60
PM124SH-150M-RC	15	± 20	16	2.52	22	47.0	3.50	3.20
PM124SH-180M-RC	18	± 20	14	2.52	20	55.0	3.20	3.00
PM124SH-220M-RC	22	± 20	18	2.52	16	67.5	3.00	2.60
PM124SH-270M-RC	27	± 20	16	2.52	15.5	85.0	2.55	2.35
PM124SH-330M-RC	33	± 20	19	2.52	15	97.0	2.30	2.10
PM124SH-390M-RC	39	± 20	14	2.52	14	120.0	2.15	2.00
PM124SH-470M-RC	47	± 20	19	2.52	13	135.0	2.00	1.80
PM124SH-560M-RC	56	± 20	16	2.52	12	170.0	1.80	1.65
PM124SH-680M-RC	68	± 20	19	2.52	11	200.0	1.50	1.50
PM124SH-820M-RC	82	± 20	16	2.52	10	250.0	1.35	1.35
PM124SH-101M-RC	100	± 20	14	0.796	8	300.0	1.25	1.20
PM124SH-121M-RC	120	± 20	12	0.796	7.8	370.0	1.20	1.15
PM124SH-151M-RC	150	± 20	12	0.796	7.5	440.0	1.10	1.05
PM124SH-181M-RC	180	± 20	12	0.796	7.0	550.0	0.98	0.95
PM124SH-221M-RC	220	± 20	12	0.796	6.6	660.0	0.92	0.90
PM124SH-271M-RC	270	± 20	10	0.796	6.0	780.0	0.80	0.80
PM124SH-331M-RC	330	± 20	12	0.796	5.5	950.0	0.75	0.75

Electrical Schematic

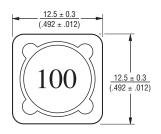
Recommended Layout

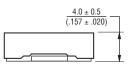


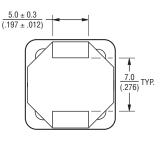
General Specifications

Test Voltage0.1 V Reflow Soldering 230 °C, 50 sec. max. Operating Temperature
40 °C to +125 °C (Temperature rise included)
Storage Temperature40 °C to +125 °C Resistance to Soldering Heat
260 °C for 10 sec. Moisture Sensitivity Level
Materials
Materials CoreFerrite DR and RI WireEnameled copper wire 130 TerminalCu/Ni/Sn Rated Current
CoreFerrite DR and RI WireEnameled copper wire 130 TerminalCu/Ni/Sn

Product Dimensions







DIMENSIONS: (IN

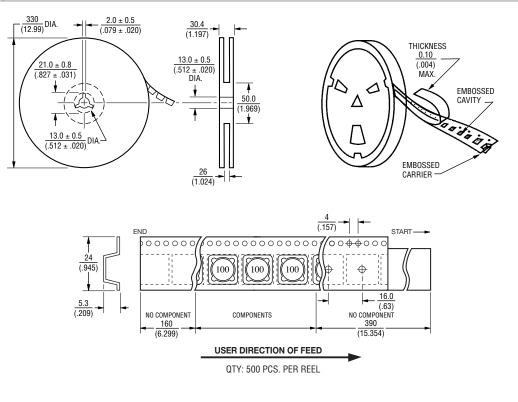
NS: <u>MM</u> (INCHES)

WARNING Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>

* 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

PM124SH Series - Shielded SMD Power Inductors **BOURNS**

Packaging Specifications



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

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REV. 03/18

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