

Features

- \blacksquare Formerly J. W. Miller $^{\circ}$ model
- Height of 3.0 mm max.
- Current rating up to 3.1 A
- RoHS compliant*

Applications

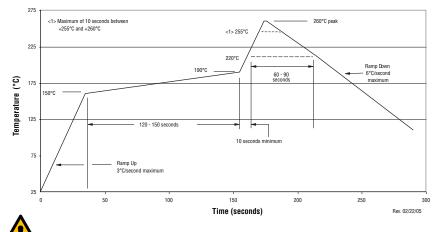
- Input/output of DC/DC converters
- Power supplies for:
 - Portable communication equipment
 - Camcorders
 - LCD TVs

PM428S Series - Shielded SMD Power Inductor

Electrical Specifications

	Inductance	e 100 kHz	0	Test Frequency	SRF	DCR Max.	Irms	Isat
Bourns Part No.	(µH)	Tol. %	Ref.	(MHz)	Typ. (MHz)	$(m\Omega)$	(A)	(A)
PM428S-1R2-RC	1.2	±30	9.34	7.96	176	20	3.10	2.56
PM428S-1R8-RC	1.8	±30	9.18	7.96	146	25	2.70	2.20
PM428S-2R2-RC	2.2	±30	9.24	7.96	111	28	2.50	2.05
PM428S-2R7-RC	2.7	±30	8.64	7.96	92	30	2.35	1.80
PM428S-3R3-RC	3.3	±30	7.72	7.96	76	35	2.15	1.65
PM428S-3R9-RC	3.9	±30	8.58	7.96	56	60	1.72	1.50
PM428S-4R7-RC	4.7	±30	8.12	7.96	55	70	1.55	1.30
PM428S-5R6-RC	5.6	±30	9.56	7.96	69	85	1.38	1.20
PM428S-6R8-RC	6.8	±30	9.624	7.96	77	90	1.30	1.15
PM428S-8R2-RC	8.2	±30	8.24	7.96	45	100	1.25	1.05
PM428S-100-RC	10	±30	11.26	2.52	34	110	1.19	1.00
PM428S-120-RC	12	±30	11.26	2.52	25	125	1.12	0.85
PM428S-150-RC	15	±30	9.66	2.52	27	150	1.03	0.78
PM428S-180-RC	18	±30	11.64	2.52	25	160	0.98	0.75
PM428S-220-RC	22	±30	8.26	2.52	23	185	0.93	0.72
PM428S-270-RC	27	±30	10.76	2.52	18	200	0.89	0.60
PM428S-330-RC	33	±30	9.7	2.52	16	230	0.82	0.58
PM428S-390-RC	39	±30	9.74	2.52	14	250	0.80	0.50
PM428S-470-RC	47	±30	10.88	2.52	13	280	0.75	0.48
PM428S-560-RC	56	±30	9	2.52	13	320	0.70	0.41
PM428S-680-RC	68	±30	8.42	2.52	11	400	0.63	0.36
PM428S-820-RC	82	±30	8.6	2.52	8	520	0.56	0.32
PM428S-101-RC	100	±30	8.78	0.796	9	600	0.51	0.30
PM428S-121-RC	120	±30	13.32	0.796	8	700	0.47	0.28
PM428S-151-RC	150	±30	11.72	0.796	6	860	0.42	0.26
PM428S-181-RC	180	±30	13.86	0.796	7	1000	0.39	0.23

Soldering Profile



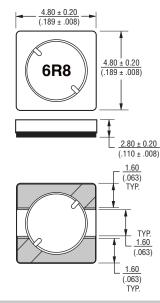
WARNING Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>

* 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

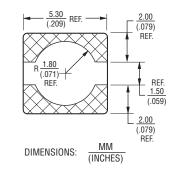
General Specifications

Test Voltage	x. C d) C
Moisture Sensitivity Level ESD Classification (HBM)N/	
Materials	
Materials	
Core Material	ər in Sn p.

Product Dimensions

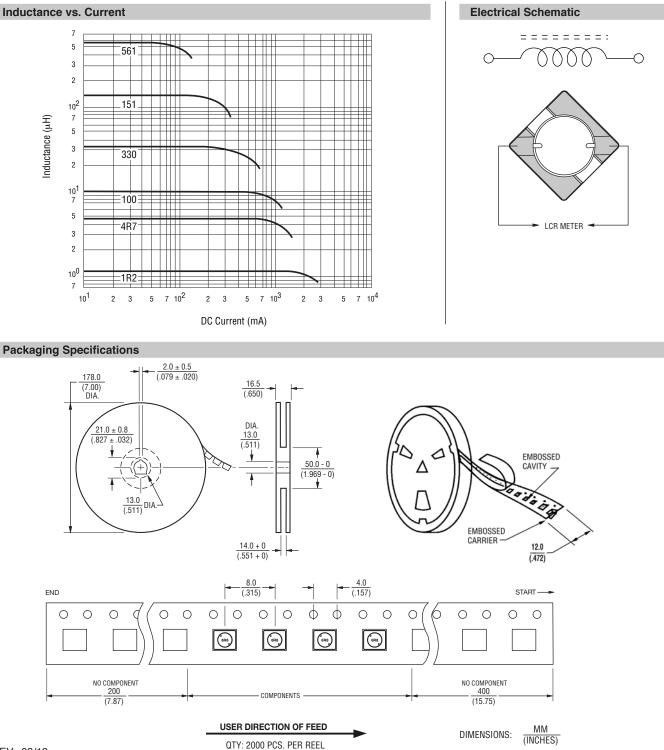


Recommended Layout



PM428S Series - Shielded SMD Power Inductor

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REV. 03/18

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 PM428S-5R6-RC

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 PM428S-1R2-RC
 PM428S-150-RC
 PM428S-220-RC
 PM428S-560-RC
 PM428S-4R7-RC

 PM428S-470-RC
 PM428S-270-RC
 PM428S-6R8-RC
 PM428S-101-RC
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