

BOURNS/J.W. MILLER SMD Power Inductors & Ferrite Beads



SMD POWER INDUCTORS

Features:

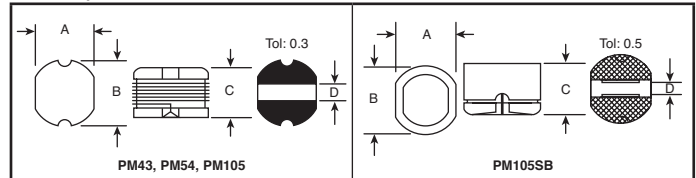
- Compact size
- Ferrite bobbin core
- High current capability
- Low core loss for high frequency power application
- Operating temperature range: -30 to +100°C
- Large terminal surface for good PCB bonding
- Current to cause maximum 10% of inductance drop or 40°C temperature rise

RoHS Compliant This product is RoHS compliant.

Series	DIMENSIONS: mm			
	A	B	C	D
PM43	4.0	4.5	3.2	1.2
PM54	5.2	5.8	4.5	1.3
PM105	9.0	10.0	5.4	2.1
PM105SB	9.0	10.0	5.0	2.5

For quantities greater than listed, call for quote.

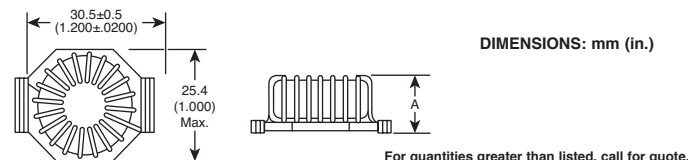
MOUSER STOCK NO.		L (μH)	Test Freq.	Rdc Max. Ohms	Idc Max Amps	Price Each		
Mfr.	Mfr. Part No.					1	10	100
PM43 Series								
542	PM43-1R0M-RC	1.0	7.96MHz	0.049	2.56	1.61	1.41	1.08
542	PM43-4R7M-RC	4.7	7.96MHz	0.109	1.15	1.61	1.41	1.08
542	PM43-100M-RC	10	2.52MHz	0.182	1.04	1.61	1.41	1.08
542	PM43-120M-RC	12	2.52MHz	0.210	0.97	1.61	1.41	1.08
542	PM43-180M-RC	18	2.52MHz	0.338	0.74	1.61	1.41	1.08
542	PM43-220M-RC	22	2.52MHz	0.378	0.68	1.61	1.41	1.08
542	PM43-330K-RC	33	2.52MHz	0.540	0.56	1.61	1.41	1.08
542	PM43-390K-RC	39	2.52MHz	0.587	0.52	1.61	1.41	1.08
542	PM43-470K-RC	47	2.52MHz	0.844	0.44	1.61	1.41	1.08
542	PM43-680K-RC	68	2.52MHz	1.117	0.37	1.61	1.41	1.08
PM105 Series (Unshielded)								
542	PM105-100M-RC	10	2.52MHz	0.06	2.60	1.76	1.70	1.58
542	PM105-120M-RC	12	2.52MHz	0.07	2.45	1.76	1.70	1.58
542	PM105-220M-RC	22	2.52MHz	0.10	1.96	1.76	1.70	1.58
542	PM105-270M-RC	27	2.52MHz	0.11	1.76	1.76	1.70	1.58
542	PM105-330M-RC	33	2.52MHz	0.12	1.50	1.76	1.70	1.58
542	PM105-390M-RC	39	2.52MHz	0.14	1.37	1.76	1.70	1.58
542	PM105-470K-RC	47	2.52MHz	0.17	1.28	1.76	1.70	1.58
542	PM105-560K-RC	56	2.52MHz	0.19	1.17	1.76	1.70	1.58
542	PM105-680K-RC	68	2.52MHz	0.22	1.11	1.76	1.70	1.58
542	PM105-820K-RC	82	2.52MHz	0.25	1.00	1.76	1.70	1.58
542	PM105-101K-RC	100	1kHz	0.35	0.97	1.76	1.70	1.58
542	PM105-121K-RC	120	1kHz	0.40	0.89	1.76	1.70	1.58
542	PM105-151K-RC	150	1kHz	0.47	0.78	1.76	1.70	1.58
542	PM105-221K-RC	220	1kHz	0.73	0.66	1.76	1.70	1.58
542	PM105-271K-RC	270	1kHz	0.97	0.57	1.68	1.58	1.51
542	PM105-331K-RC	330	1kHz	1.15	0.52	1.76	1.70	1.58
542	PM105-391K-RC	390	1kHz	1.30	0.48	1.76	1.70	1.58
542	PM105-471K-RC	470	1kHz	1.48	0.42	1.76	1.70	1.58
542	PM105-561K-RC	560	1kHz	1.90	0.33	1.76	1.70	1.58
542	PM105-681K-RC	680	1kHz	2.25	0.28	1.76	1.70	1.58
542	PM105-821K-RC	820	1kHz	2.55	0.24	1.76	1.70	1.58



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MOUSER STOCK NO.		L (μH)	Test Freq.	Rdc Max. Ohms	Idc Max Amps	Price Each		
Mfr.	Mfr. Part No.					1	10	25
PM54 Series								
542	PM54-100M-RC	10	2.52MHz	0.10	1.44	1.45	1.30	1.24
542	PM54-180M-RC	18	2.52MHz	0.15	1.23	1.45	1.30	1.24
542	PM54-220M-RC	22	2.52MHz	0.18	1.11	1.45	1.30	1.24
542	PM54-330L-RC	33	2.52MHz	0.23	0.88	1.45	1.30	1.24
542	PM54-470L-RC	47	2.52MHz	0.37	0.72	1.45	1.30	1.24
542	PM54-560K-RC	56	2.52MHz	0.42	0.68	1.45	1.30	1.24
542	PM54-680K-RC	68	2.52MHz	0.46	0.61	1.45	1.30	1.24
542	PM54-101K-RC	100	1kHz	0.70	0.52	1.45	1.30	1.24
542	PM54-121K-RC	120	1kHz	0.93	0.48	1.45	1.30	1.24
542	PM54-221K-RC	220	1kHz	1.57	0.35	1.45	1.30	1.24
PM105SB Series (Shielded)								
542	PM105SB-100M-RC	10	2.52MHz	0.06	2.06	1.47	1.32	1.17
542	PM105SB-120M-RC	12	2.52MHz	0.07	1.94	1.47	1.32	1.17
542	PM105SB-180M-RC	18	2.52MHz	0.08	1.58	1.47	1.32	1.17
542	PM105SB-220M-RC	22	2.52MHz	0.08	1.42	1.47	1.32	1.17
542	PM105SB-270M-RC	27	2.52MHz	0.10	1.32	1.47	1.32	1.17
542	PM105SB-330L-RC	33	2.52MHz	0.11	1.16	1.47	1.32	1.17
542	PM105SB-390L-RC	39	2.52MHz	0.12	1.10	1.47	1.32	1.17
542	PM105SB-470L-RC	47	2.52MHz	0.14	1.00	1.47	1.32	1.17
542	PM105SB-560L-RC	56	2.52MHz	0.19	0.93	1.47	1.32	1.17
542	PM105SB-680L-RC	68	2.52MHz	0.21	0.85	1.47	1.32	1.17
542	PM105SB-820L-RC	82	2.52MHz	0.28	0.79	1.47	1.32	1.17
542	PM105SB-101K-RC	100	1kHz	0.34	0.72	1.47	1.32	1.17
542	PM105SB-121K-RC	120	1kHz	0.37	0.63	1.47	1.32	1.17
542	PM105SB-151K-RC	150	1kHz	0.51	0.55	1.47	1.32	1.17
542	PM105SB-221K-RC	220	1kHz	0.78	0.47	1.47	1.32	1.17
542	PM105SB-271K-RC	270	1kHz	0.87	0.41	1.47	1.32	1.17
542	PM105SB-331K-RC	330	1kHz	1.20	0.37	1.47	1.32	1.17
542	PM105SB-391K-RC	390	1kHz	1.34	0.35	1.47	1.32	1.17
542	PM105SB-471K-RC	470	1kHz	1.50	0.33	1.47	1.32	1.17

HIGH CURRENT SMD POWER INDUCTOR



DIMENSIONS: mm (in.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		L (μH)	DCR Max (Ω)	IDC (A)	Dim. A Max. mm (in.)	Price Each		
Mfr.	Mfr. Part No.					1	10	25
PM2110 Series								
542	PM2110-3R3M-RC	3.3	4	16.0	14.48 / (0.57)	2.73	1.82	1.50
542	PM2110-5R6M-RC	5.6	5	13.7	14.48 / (0.57)	2.50	1.82	1.50
542	PM2110-8R2M-RC	8.2	6	12.6	14.48 / (0.57)	2.73	1.82	1.50
542	PM2110-120K-RC	12	7	11.3	14.48 / (0.57)	2.50	1.82	1.50
542	PM2110-180K-RC	18	9	10.2	14.48 / (0.57)	2.73	2.04	1.82
542	PM2110-220K-RC	22	10	9.7	14.48 / (0.57)	1.47	1.42	1.42
542	PM2110-270K-RC	27	14	8.2	13.72 / (0.54)	2.73	2.04	1.82
542	PM2110-330K-RC	33	19	7.0	13.21 / (0.52)	1.47	1.42	1.38
542	PM2110-390K-RC	39	20	6.8	15.75 / (0.62)	2.73	2.04	1.82
542	PM2110-470K-RC	47	22	6.5	15.75 / (0.62)	2.73	2.04	1.82
542	PM2110-560K-RC	56	24	6.2	15.75 / (0.62)	1.86	1.80	1.75
542	PM2110-680K-RC	68	27	5.9	15.75 / (0.62)	1.86	1.80	1.75
542	PM2110-820K-RC	82	29	5.6	15.75 / (0.62)	2.73	1.82	1.50
542	PM2110-101K-RC	100	32	5.4	15.75 / (0.62)	2.73	2.04	1.82
542	PM2110-121K-RC	120	35	5.1	15.75 / (0.62)	2.73	1.82	1.50
542	PM2110-151K-RC	150	49	4.3	14.99 / (0.59)	1.55	1.43	1.34
542	PM2110-181K-RC	180	66	3.7	13.46 / (0.53)	1.47	1.42	1.38
542	PM2110-221K-RC	220	74	3.5	15.24 / (0.60)	2.32	2.04	1.79
542	PM2110-271K-RC	270	82	3.4	15.24 / (0.60)	2.50	1.82	1.50
542	PM2110-331K-RC	330	90	3.2	15.24 / (0.60)	1.86	1.82	1.50
542	PM2110-391K-RC	390	98	3.1	15.24 / (0.60)	2.50	1.82	1.50
542	PM2110-471K-RC	470	133	2.6	14.48 / (0.57)	1.86	1.82	1.50
542	PM2110-561K-RC	560	146	2.5	14.48 / (0.57)	1.47	1.42	1.38
542	PM2110-681K-RC	680	202	2.1	13.72 / (0.54)	2.73	1.82	1.50

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Mfr.	Mfr. Part No.					1	10	25
PM2110 Series (Cont.)								
542	PM2110-821K-RC	820	221	2.0	15.24 / (0.60)	2.50	1.82	1.50
542	PM2110-102K-RC	1000	244	1.9	15.24 / (0.60)	2.50	1.82	1.50
PM2120 Series								
542	PM2120-2R7M-RC	2.7	3	19.7	20.83 / (0.82)	3.00	2.00	1.65
542	PM2120-3R9M-RC	3.9	4	18.0	20.83 / (0.82)	1.62	1.57	1.52
542	PM2120-5R6M-RC	5.6	5	15.6	20.83 / (0.82)	3.00	2.00	1.65
542	PM2120-6R8M-RC	6.8	6	14.7	20.83 / (0.82)	2.75	2.00	1.65
542	PM2120-8R2M-RC	8.2	6	14.7	20.83 / (0.82)	3.00	2.00	1.65
542	PM2120-120K-RC	12	8	12.7	20.83 / (0.82)	2.75	2.00	1.65
542	PM2120-150K-RC	15	9	12.2	20.83 / (0.82)	2.75	2.00	1.65
542	PM2120-180K-RC	18	9	11.8	20.83 / (0.82)	3.00	2.00	1.65
542	PM2120-220K-RC	22	11	11.0	20.83 / (0.82)	1.62	1.57	1.52
542	PM2120-270K-RC	27	12	10.4	20.83 / (0.82)	3.00	2.25	2.00
542	PM2120-330K-RC	33	13	10.1	20.83 / (0.82)	1.62	1.57	1.52
542	PM2120-390K-RC	39	14	9.6	20.83 / (0.82)	3.00	2.25	2.00
542	PM2120-470K-RC	47						