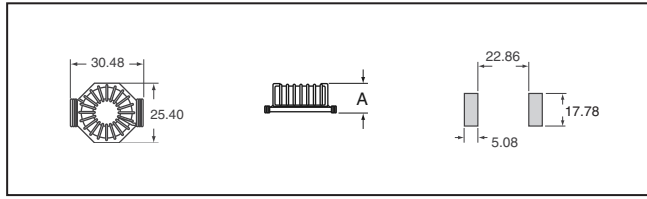




Surface Mount High Current Toroid Inductors

PM2110 and PM2120 Series



L (µH) @ 1kHz	I _{dc} (A)	L (µH) ±20% @ Rated I	DCR (Ω) Max.	Dim. A (mm) Max.	Digi-Key Part No.	Price Each			J.W. Miller Part No.
						1	10	25	
PM2110 Series 20%									
1.00	22.70	0.80	0.00	14.48	M8754-ND	2.26	1.70	1.51	PM2110-1R0M-RC
5.60	13.70	3.90	0.01	14.48	M8755-ND	2.26	1.70	1.51	PM2110-5R6M-RC
PM2110 Series 10%									
10.00	11.70	6.50	0.01	14.48	M8756-ND	2.26	1.70	1.51	PM2110-100K-RC
12.00	11.30	7.60	0.01	14.48	M8757-ND	2.26	1.70	1.51	PM2110-120K-RC
15.00	10.70	9.20	0.01	14.48	M8758-ND	2.26	1.70	1.51	PM2110-150K-RC
18.00	10.20	10.70	0.01	14.48	M8759-ND	2.26	1.70	1.51	PM2110-180K-RC
22.00	9.70	12.70	0.01	14.48	M8760-ND	2.26	1.70	1.51	PM2110-220K-RC
27.00	8.20	16.00	0.01	13.72	M8761-ND	2.26	1.70	1.51	PM2110-270K-RC
33.00	7.00	20.10	0.02	13.21	M8762-ND	2.26	1.70	1.51	PM2110-330K-RC
39.00	6.80	23.20	0.02	15.75	M8763-ND	2.26	1.70	1.51	PM2110-390K-RC
47.00	6.50	27.20	0.02	15.75	M8764-ND	2.26	1.70	1.51	PM2110-470K-RC
56.00	6.20	31.60	0.02	15.75	M8765-ND	2.26	1.70	1.51	PM2110-560K-RC
68.00	5.90	37.10	0.03	15.75	M8766-ND	2.26	1.70	1.51	PM2110-680K-RC
100.00	5.40	51.40	0.03	15.75	M8767-ND	2.26	1.70	1.51	PM2110-101K-RC
150.00	4.30	77.30	0.05	14.99	M8768-ND	2.26	1.70	1.51	PM2110-151K-RC
180.00	3.70	96.30	0.07	13.46	M8769-ND	2.26	1.70	1.51	PM2110-181K-RC
220.00	3.50	113.80	0.07	15.24	M8770-ND	2.26	1.70	1.51	PM2110-221K-RC
270.00	3.40	134.90	0.08	15.24	M8771-ND	2.26	1.70	1.51	PM2110-271K-RC

L (µH) @ 1kHz	I _{dc} (A)	L (µH) ±20% @ Rated I	DCR (Ω) Max.	Dim. A (mm) Max.	Digi-Key Part No.	Price Each			J.W. Miller Part No.
						1	10	25	
330.00	3.20	159.50	0.09	15.24	M8772-ND	2.26	1.70	1.51	PM2110-331K-RC
390.00	3.10	182.90	0.10	15.24	M8773-ND	2.26	1.70	1.51	PM2110-391K-RC
470.00	2.60	230.40	0.13	14.48	M8774-ND	2.26	1.70	1.51	PM2110-471K-RC
820.00	2.00	394.10	0.22	15.24	M8775-ND	2.26	1.70	1.51	PM2110-821K-RC
1000.00	1.90	463.70	0.24	15.24	M8776-ND	2.26	1.70	1.51	PM2110-102K-RC
PM2120 Series 20%									
2.20	19.70	1.80	0.00	20.83	M8777-ND	2.48	1.86	1.66	PM2120-2R2M-RC
4.70	16.60	3.70	0.01	20.83	M8778-ND	2.48	1.86	1.66	PM2120-4R7M-RC
5.60	15.60	4.20	0.01	20.83	M8779-ND	2.48	1.86	1.66	PM2120-5R6M-RC
6.80	14.70	5.00	0.01	20.83	M8780-ND	2.48	1.86	1.66	PM2120-6R8M-RC
PM2120 Series 10%									
10.00	13.90	7.20	0.01	20.83	M8781-ND	2.48	1.86	1.66	PM2120-100K-RC
12.00	12.70	8.30	0.01	20.83	M8782-ND	2.48	1.86	1.66	PM2120-120K-RC
15.00	12.20	10.20	0.01	20.83	M8783-ND	2.48	1.86	1.66	PM2120-150K-RC
18.00	11.80	12.00	0.01	20.83	M8784-ND	2.48	1.86	1.66	PM2120-180K-RC
22.00	11.00	14.20	0.01	20.83	M8785-ND	2.48	1.86	1.66	PM2120-220K-RC
27.00	10.40	16.90	0.01	20.83	M8786-ND	2.48	1.86	1.66	PM2120-270K-RC
33.00	10.10	20.30	0.01	20.83	M8787-ND	2.48	1.86	1.66	PM2120-330K-RC
39.00	9.60	23.30	0.01	20.83	M8788-ND	2.48	1.86	1.66	PM2120-390K-RC
47.00	8.20	29.20	0.02	20.07	M8789-ND	2.48	1.86	1.66	PM2120-470K-RC
56.00	7.90	33.90	0.02	20.07	M8790-ND	2.48	1.86	1.66	PM2120-560K-RC
68.00	6.70	42.20	0.03	19.56	M8791-ND	2.48	1.86	1.66	PM2120-680K-RC
82.00	6.40	49.50	0.03	22.10	M8792-ND	2.48	1.86	1.66	PM2120-820K-RC
100.00	6.10	58.70	0.04	22.10	M8793-ND	2.48	1.86	1.66	PM2120-101K-RC
120.00	5.80	68.10	0.04	22.10	M8794-ND	2.48	1.86	1.66	PM2120-121K-RC
150.00	5.50	82.50	0.04	22.10	M8795-ND	2.48	1.86	1.66	PM2120-151K-RC
180.00	5.30	96.20	0.05	21.08	M8796-ND	2.48	1.86	1.66	PM2120-181K-RC
220.00	5.00	113.70	0.05	21.08	M8797-ND	2.48	1.86	1.66	PM2120-221K-RC
330.00	3.60	183.40	0.10	19.81	M8798-ND	2.48	1.86	1.66	PM2120-331K-RC
390.00	3.50	211.60	0.11	19.81	M8799-ND	2.48	1.86	1.66	PM2120-391K-RC
470.00	3.30	247.10	0.12	21.59	M8800-ND	2.48	1.86	1.66	PM2120-471K-RC
1000.00	2.50	499.70	0.22	20.83	M8801-ND	2.48	1.86	1.66	PM2120-102K-RC

E

Surface Mount Dual Toroid Inductors



The PM3602 and PM3604 Series are versatile surface mount coils that can provide different functions in a single package. A bifilar method is used in the winding of these coils. The user can utilize these coils in four different ways, depending on the external connection chosen:

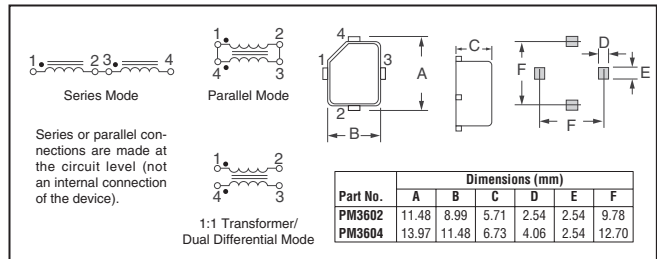
- Parallel Connection: Doubles the current capacity
- Series Connection: 4 times the parallel inductance
- Dual Inductor: Creates two differential mode inductors
- 1:1 Ratio Transformer: For isolation and some flyback applications

Features:

- Toroidal core design to minimize RFI radiation • Low loss core material • Encapsulated in case for pick and place capability • Reflow soldering • Hi-pot 500V • Operating temperature: -55°C - 125°C

Typical Applications:

- Switching power supplies • Converters • Data communications • Processor/controller circuits • Personal computers • Filters



Parallel				Series				Digi-Key Part No.	Price Each	25	Digi-Key Part No.	Tape and Reel		J.W. Miller Part No.	
L ±20% µH	I _{dc} (Amps) Max.	L ±20% µH	R _{dc} (Ω) Max.	L ±20% µH	I _{dc} (Amps) Max.	L ±20% µH	R _{dc} (Ω) Max.					Qty.	Pricing		
PM3602 Series															
5	2.41	3.8	0.023	20	1.20	15.2	0.09	M10135CT-ND	1.46	1.10	.98	M10135TR-ND	400	292.44	PM3602-5-RC
8	1.90	6.1	0.037	32	0.95	23.2	0.15	M10136CT-ND	1.46	1.10	.98	M10136TR-ND	400	292.44	PM3602-8-RC
10	1.83	7.4	0.040	40	0.92	29.6	0.16	M10137CT-ND	1.46	1.10	.98	M10137TR-ND	400	292.44	PM3602-10-RC
15	1.45	11.1	0.063	60	0.73	44.4	0.25	M10138CT-ND	1.46	1.10	.98	M10138TR-ND	400	292.44	PM3602-15-RC
20	1.25	15.2	0.086	80	0.63	60.8	0.34	M10139CT-ND	1.46	1.10	.98	M10139TR-ND	700	511.77	PM3602-20-RC
25	1.17	18.5	0.098	100	0.59	74.0	0.39	M10162CT-ND	1.46	1.10	.98	M10162TR-ND	400	292.44	PM3602-25-RC
33	0.98	24.8	0.14	132	0.49	99.2	0.56	M10140CT-ND	1.46	1.10	.98	M10140TR-ND	400	292.44	PM3602-33-RC
50	0.78	37.5	0.22	200	0.38	150.0	0.88	M10141CT-ND	1.46	1.10	.98	M10141TR-ND	400	292.44	PM3602-50-RC
68	0.72	49.6	0.26	272	0.36	198.4	1.04	M10142CT-ND	1.46	1.10	.98	M10142TR-ND	400	292.44	PM3602-68-RC
100	0.58	74.0	0.40	400	0.29	296.0	1.60	M10143CT-ND	1.46	1.10	.98	M10143TR-ND	400	292.44	PM3602-100-RC
150	0.47	111	0.60	600	0.24	444.0	2.40	M10144CT-ND	1.46	1.10	.98	M10144TR-ND	400	292.44	PM3602-150-RC
200	0.40	150.0	0.84	800	0.20	600.0	3.36	M8673-ND	1.46	1.10	.98	—	—	—	PM3602-200-B-RC
300	0.32	225.0	1.31	1200	0.16	900.0	5.24	M10147CT-ND	1.46	1.10	.98	M10147TR-ND	400	292.44	PM3602-300-RC
PM3604 Series															
5	3.30	3.8	0.019	20	1.65	15.2	0.076	M10148CT-ND	1.46	1.10	.98	M10148TR-ND	400	302.19	PM3604-5-RC
8	3.00	5.8	0.024	32	1.50	23.2	0.096	M10149CT-ND	1.46	1.10	.98	M10149TR-ND	400	302.19	PM3604-8-RC
10	2.70	7.3	0.028	40	1.35	29.2	0.11	M10150CT-ND	1.46	1.10	.98	M10150TR-ND	400	302.19	PM3604-10-RC
15	2.20	11.0	0.041	60	1.10	44.0	0.16	M10151CT-ND	1.46	1.10	.98	M10151TR-ND	400	302.19	PM3604-15-RC
20	2.02	14.2	0.049	80	1.01	56.8	0.20	M10152CT-ND	1.46	1.10	.98	M10152TR-ND	400	302.19	PM3604-20-RC
25	1.91	17.0	0.054	100	0.96	68.0	0.22	M10153CT-ND	1.46	1.10	.98	M10153TR-ND	400	302.19	PM3604-25-RC
33	1.60	23.1	0.078	132	0.80	92.4	0.31	M10154CT-ND	1.46	1.10	.98	M10154TR-ND	400	302.19	PM3604-33-RC
50	1.28	35.5	0.12	200	0.64	142.0	0.48	M10155CT-ND	1.46	1.10	.98	M10155TR-ND	400	302.19	PM3604-50-RC
68	1.19	46.2	0.14	272	0.60	184.8	0.56	M10156CT-ND	1.46	1.10	.98	M10156TR-ND	400	302.19	PM3604-68-RC
100	0.98	68.0	0.21	400	0.49	272.0	0.84	M10157CT-ND	1.46	1.10	.98	M10157TR-ND	400	302.19	PM3604-100-RC
150	0.78	103.5	0.32	600	0.39	414.0	1.28	M10158CT-ND	1.46	1.10	.98	M10158TR-ND	400	302.19	PM3604-150-RC
200	0.65	140.0	0.47	800	0.33	560.0	1.88	M10159CT-ND	1.46	1.10	.98	M10159TR-ND	400	302.19	PM3604-200-RC
250	0.60	172.5	0.53	1000	0.30	690.0	2.12	M10160CT-ND	1.46	1.10	.98	M10160TR-ND	400	302.19	PM3604-250-RC
300	0.52	213.0	0.73	1200	0.26	852.0	2.92	M10161CT-ND	1.46	1.10	.98	M10161TR-ND	400	302.19	PM3604-300-RC

Digi-Reel[®] Most SMT cutdown parts are available on a Digi-Reel[®]. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key[®] Services on page 2 for additional information.

Free shipping on orders over €65! All prices in euro and include duties. (EU2011-EN) 1571