

Shielded Chip Inductors



Model PM20S Series is currently available, although not recommended for new designs. Model CMH322522 is preferred.

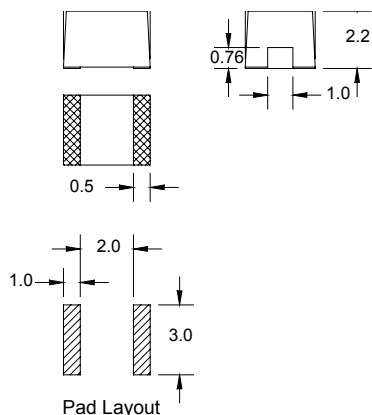
Special Features

- High Q
- Magnetic shielded for low radiation
- Molded construction for high reliability
- Superior environmental protection
- Large terminal surface for strong PCB bonding
- Standard EIA 1210 chip size
- Operating temperature -55 to +125 °C
- Tape & reel packaged 2000/reel

Notes

- * Current to cause 20 °C max. temperature rise

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.



Dimensions: mm
Tolerance: -/+0.2

PM20S Series

Part Number	L (μH) ±20 %	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	I, DC* (mA)	Bourns Equivalent
PM20S-R010M-RC	0.010	50	50	1000	0.10	810	
PM20S-R012M-RC	0.012	50	50	1000	0.11	750	
PM20S-R015M-RC	0.015	50	50	1000	0.12	720	
PM20S-R018M-RC	0.018	50	50	1000	0.13	690	
PM20S-R022M-RC	0.022	45	50	1000	0.15	640	
PM20S-R027M-RC	0.027	45	50	1000	0.17	610	
PM20S-R033M-RC	0.033	45	50	1000	0.18	585	
PM20S-R039M-RC	0.039	40	50	1000	0.24	530	
PM20S-R047M-RC	0.047	40	50	1000	0.26	495	
PM20S-R056M-RC	0.056	40	50	1000	0.28	485	
PM20S-R068M-RC	0.068	40	50	1000	0.35	475	
PM20S-R082M-RC	0.082	38	50	900	0.45	460	
PM20S-R10M-RC	0.10	36	50	700	0.50	450	
PM20S-R12M-RC	0.12	40	25.2	500	0.20	630	
PM20S-R15M-RC	0.15	40	25.2	470	0.20	600	
PM20S-R18M-RC	0.18	40	25.2	400	0.24	580	
PM20S-R22M-RC	0.22	40	25.2	330	0.30	565	
PM20S-R27M-RC	0.27	40	25.2	310	0.33	500	
PM20S-R33M-RC	0.33	40	25.2	280	0.36	475	
PM20S-R39M-RC	0.39	40	25.2	230	0.40	465	
PM20S-R47M-RC	0.47	40	25.2	220	0.44	460	
PM20S-R56M-RC	0.56	40	25.2	200	0.45	455	
PM20S-R68M-RC	0.68	40	25.2	180	0.48	450	
PM20S-R82M-RC	0.82	40	25.2	160	0.50	450	
±10 %							
PM20S-1R0K-RC	1.0	30	7.96	120	0.60	400	CMH322522
PM20S-1R2K-RC	1.2	30	7.96	110	0.65	390	
PM20S-1R5K-RC	1.5	30	7.96	90	0.75	370	
PM20S-1R8K-RC	1.8	30	7.96	85	0.85	350	
PM20S-2R2K-RC	2.2	30	7.96	65	0.90	320	
PM20S-2R7K-RC	2.7	30	7.96	60	1.00	290	
PM20S-3R3K-RC	3.3	30	7.96	60	1.10	270	
PM20S-3R9K-RC	3.9	30	7.96	58	1.20	250	
PM20S-4R7K-RC	4.7	30	7.96	52	1.25	220	
PM20S-5R6K-RC	5.6	30	7.96	50	1.40	200	
PM20S-6R8K-RC	6.8	30	7.96	40	1.60	205	
PM20S-8R2K-RC	8.2	30	7.96	35	1.65	195	
PM20S-100K-RC	10	30	2.52	30	2.0	185	
PM20S-120K-RC	12	30	2.52	24	2.3	175	
PM20S-150K-RC	15	30	2.52	20	2.5	165	
PM20S-180K-RC	18	30	2.52	17	2.7	155	
PM20S-220K-RC	22	30	2.52	16	3.1	150	
PM20S-270K-RC	27	30	2.52	14	3.3	125	
PM20S-330K-RC	33	30	2.52	14	5.1	115	
PM20S-390K-RC	39	30	2.52	14	5.9	105	
PM20S-470K-RC	47	30	2.52	13	8.0	100	
PM20S-560K-RC	56	30	2.52	11	10	95	
PM20S-680K-RC	68	30	2.52	11	10	90	
PM20S-820K-RC	82	30	2.52	11	11	85	
PM20S-101K-RC	100	30	0.796	8	12	85	

“-RC” suffix indicates RoHS compliance.

BOURNS®

Tel. (877) 426-8767 • Fax (951) 781-5006

www.bourns.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

[PM20S-100K](#) [PM20S-101K](#) [PM20S-120K](#) [PM20S-150K](#) [PM20S-180K](#) [PM20S-1R0K](#) [PM20S-1R2K](#) [PM20S-1R5K](#)
[PM20S-1R8K](#) [PM20S-220K](#) [PM20S-270K](#) [PM20S-2R2K](#) [PM20S-2R7K](#) [PM20S-330K](#) [PM20S-390K](#) [PM20S-3R3K](#)
[PM20S-3R9K](#) [PM20S-470K](#) [PM20S-4R7K](#) [PM20S-560K](#) [PM20S-5R6K](#) [PM20S-680K](#) [PM20S-6R8K](#) [PM20S-820K](#)
[PM20S-8R2K](#) [PM20S-R010M](#) [PM20S-R012M](#) [PM20S-R015M](#) [PM20S-R018M](#) [PM20S-R022M](#) [PM20S-R027M](#)
[PM20S-R033M](#) [PM20S-R039M](#) [PM20S-R047M](#) [PM20S-R056M](#) [PM20S-R068M](#) [PM20S-R082M](#) [PM20S-R10M](#)
[PM20S-R12M](#) [PM20S-R15M](#) [PM20S-R18M](#) [PM20S-R22M](#) [PM20S-R27M](#) [PM20S-R33M](#) [PM20S-R39M](#) [PM20S-](#)
[R47M](#) [PM20S-R56M](#) [PM20S-R68M](#) [PM20S-R82M](#) [PM20S-R082M-RC](#) [PM20S-R27M-RC](#) [PM20S-270K-RC](#)
[PM20S-470K-RC](#) [PM20S-R10M-RC](#) [PM20S-5R6K-RC](#) [PM20S-R039M-RC](#) [PM20S-6R8K-RC](#) [PM20S-1R8K-RC](#)
[PM20S-180K-RC](#) [PM20S-680K-RC](#) [PM20S-R012M-RC](#) [PM20S-100K-RC](#) [PM20S-R56M-RC](#) [PM20S-R027M-RC](#)
[PM20S-R033M-RC](#) [PM20S-R39M-RC](#) [PM20S-150K-RC](#) [PM20S-1R5K-RC](#) [PM20S-8R2K-RC](#) [PM20S-R068M-RC](#)
[PM20S-220K-RC](#) [PM20S-3R3K-RC](#) [PM20S-120K-RC](#) [PM20S-R33M-RC](#) [PM20S-1R2K-RC](#) [PM20S-2R2K-RC](#)
[PM20S-R12M-RC](#) [PM20S-R18M-RC](#) [PM20S-R68M-RC](#) [PM20S-R047M-RC](#) [PM20S-390K-RC](#) [PM20S-560K-RC](#)
[PM20S-R056M-RC](#) [PM20S-R22M-RC](#) [PM20S-1R0K-RC](#) [PM20S-R47M-RC](#) [PM20S-330K-RC](#) [PM20S-4R7K-RC](#)
[PM20S-2R7K-RC](#) [PM20S-3R9K-RC](#) [PM20S-R15M-RC](#) [PM20S-R022M-RC](#) [PM20S-R018M-RC](#) [PM20S-R015M-RC](#)
[PM20S-R82M-RC](#) [PM20S-820K-RC](#) [PM20S-101K-RC](#) [PM20S-R010M-RC](#)