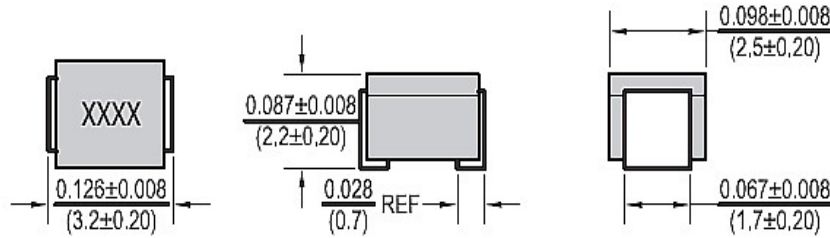




# Molded Chip Inductor SMC1210A

SMC1210A

Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



Part Number	Inductance $\mu\text{H}$	Tolerance %	Q min	Test Freq MHz	SRF min MHz	DCR max ohms	IDC mA
SMC1210A-R010K-LF	0.01	10	15	100	2500	0.13	450
SMC1210A-R012K-LF	0.012	10	17	100	2300	0.14	450
SMC1210A-R015K-LF	0.015	10	19	100	2100	0.16	450
SMC1210A-R018K-LF	0.018	10	21	100	1900	0.18	450
SMC1210A-R022K-LF	0.022	10	23	100	1700	0.2	450
SMC1210A-R027K-LF	0.027	10	23	100	1500	0.22	450
SMC1210A-R033K-LF	0.033	10	25	100	1400	0.24	450
SMC1210A-R039K-LF	0.039	10	25	100	1300	0.27	450
SMC1210A-R047K-LF	0.047	10	26	100	1200	0.3	450
SMC1210A-R056K-LF	0.056	10	26	100	1100	0.33	450
SMC1210A-R068K-LF	0.068	10	27	100	1000	0.36	450
SMC1210A-R082K-LF	0.082	10	27	100	900	0.4	450
SMC1210A-R10MKLF	0.1	10	28	100	700	0.44	450
SMC1210A-R12K-LF	0.12	10	30	25.2	500	0.22	450
SMC1210A-R15K-LF	0.15	10	30	25.2	450	0.25	450
SMC1210A-R18K-LF	0.18	10	30	25.2	400	0.28	450
SMC1210A-R22K-LF	0.22	10	30	25.2	350	0.32	450
SMC1210A-R27K-LF	0.27	10	30	25.2	320	0.36	450
SMC1210A-R33K-LF	0.33	10	30	25.2	300	0.4	450
SMC1210A-R39K-LF	0.39	10	30	25.2	250	0.45	450
SMC1210A-R47K-LF	0.47	10	30	25.2	220	0.5	450
SMC1210A-R56K-LF	0.56	10	30	25.2	180	0.55	450
SMC1210A-R68K-LF	0.68	10	30	25.2	160	0.6	450
SMC1210A-R82K-LF	0.82	10	30	25.2	140	0.65	450

Additional values continued on page 2

## Features

1210 Molded Chip Inductor  
Excellent Solder Heat Resistance  
Welded internal lead frame to coil wire connection

## Resistance to Soldering Heat

Pre-heating: 150°C, 1min  
Solder Composition: Sn/Ag3.0/Cu0.5  
Solder Temperature: 245 ± 5°C  
Immersion Time: 4 ± 1sec

## Physical

Packaging: 2000 pieces per 7 inch reel.  
Marking: EIA Inductance Code.

## Electrical

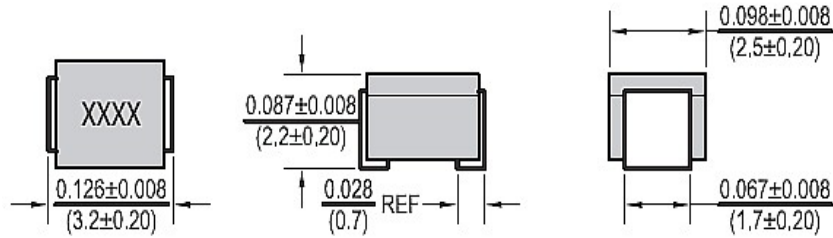
Inductance Range: .01 $\mu\text{H}$  to 330 $\mu\text{H}$   
Operating Temp: -25 C to +85 C @ 75% RH  
IDC: The current at which inductance will drop no more than 10% of it's original value at 1Mhz, 1v



# Molded Chip Inductor SMC1210A

Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$

SMC1210A



Part Number	Inductance uH	Tolerance %	Q min	Test Freq MHz	SRF min MHz	DCR max ohms	IDC mA
SMC1210A-1R0K-LF	1	10	30	7.96	120	0.7	400
SMC1210A-1R2K-LF	1.2	10	30	7.96	100	0.75	390
SMC1210A-1R5K-LF	1.5	10	30	7.96	85	0.85	370
SMC1210A-1R8K-LF	1.8	10	30	7.96	80	0.9	350
SMC1210A-2R2K-LF	2.2	10	30	7.96	75	1	320
SMC1210A-2R7K-LF	2.7	10	30	7.96	70	1.1	290
SMC1210A-3R3K-LF	3.3	10	30	7.96	60	1.2	260
SMC1210A-3R9K-LF	3.9	10	30	7.96	55	1.3	250
SMC1210A-4R7K-LF	4.7	10	30	7.96	50	1.5	220
SMC1210A-5R6K-LF	5.6	10	30	7.96	45	1.6	200
SMC1210A-6R8K-LF	6.8	10	30	7.96	40	1.8	180
SMC1210A-8R2K-LF	8.2	10	30	7.96	35	2	170
SMC1210A-100K-LF	10	10	30	2.52	30	2.1	150
SMC1210A-120K-LF	12	10	30	2.52	20	2.5	140
SMC1210A-150K-LF	15	10	30	2.52	20	2.8	130
SMC1210A-180K-LF	18	10	30	2.52	20	3.3	120
SMC1210A-220K-LF	22	10	30	2.52	20	3.7	100
SMC1210A-270K-LF	27	10	30	2.52	20	5	80
SMC1210A-330K-LF	33	10	30	2.52	17	5.6	70
SMC1210A-390K-LF	39	10	30	2.52	16	6.4	65
SMC1210A-470K-LF	47	10	30	2.52	15	7	60
SMC1210A-560K-LF	56	10	30	2.52	13	8	55
SMC1210A-680K-LF	68	10	30	2.52	12	9	50
SMC1210A-820K-LF	82	10	30	2.52	11	10	45
SMC1210A-101K-LF	100	10	20	0.796	10	10	40
SMC1210A-121K-LF	120	10	20	0.796	10	11	70
SMC1210A-151K-LF	150	10	20	0.796	8	15	65
SMC1210A-181K-LF	180	10	20	0.796	7	17	60
SMC1210A-221K-LF	220	10	20	0.796	7	21	50
SMC1210A-271K-LF	270	10	20	0.796	6	28	45
SMC1210A-331K-LF	330	10	20	0.796	5	34	40

## Features

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