



Features

- Core Material: Ferrite
- High rated current and low DCR
- RoHS, Halogen Free and REACH compliance

Package

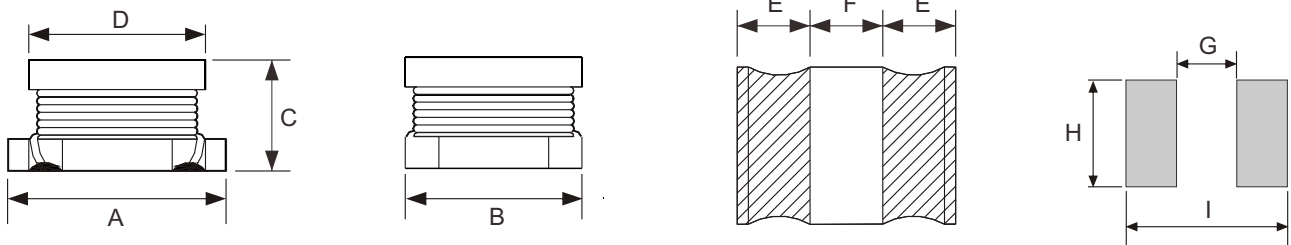
- MSE1210 - 3000 PCS/Reel
- MSE1812 - 2000 PCS/Reel
- MSE2220 - 1000 PCS/Reel

General Specifications

- Storage temp range: -40°C to +80°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1



► Dimensions & Configurations (Unit:mm)



Type	A ± 0.3	B ± 0.3	C ± 0.3	D ± 0.2	E ± 0.3	F ± 0.2	G ± 0.2	H ± 0.2	I ± 0.2
MSE1210	3.2	2.5	2.0	2.5	0.9	1.3	0.8	2.7	4.4
MSE1812	4.5	3.2	2.6	3.2	1.0	1.0	1.0	3.5	5.9
MSE2220	5.7	5.0	4.7	5.0	1.3	1.7	1.8	5.5	7.5

► Electrical Characteristics For MSE1210 Series

Part Number	L [μH]	L Test Freq [MHz]	Q Test Freq [MHz]	Q (min)	SRF [MHz]	DCR(max) [Ω]	IDC(max) [mA]
MSE1210-1R0M	1.0	1	1	20	100	0.5	445
MSE1210-1R2M	1.2	1	1	20	100	0.6	425
MSE1210-1R5M	1.5	1	1	20	75	0.6	400
MSE1210-1R8M	1.8	1	1	20	60	0.7	390
MSE1210-2R2M	2.2	1	1	20	50	0.8	370
MSE1210-2R7M	2.7	1	1	20	43	0.9	320
MSE1210-3R3M	3.3	1	1	20	38	1.0	300
MSE1210-3R9M	3.9	1	1	20	35	1.1	290
MSE1210-4R7M	4.7	1	1	20	31	1.2	270
MSE1210-5R6M	5.6	1	1	20	28	1.3	250
MSE1210-6R8M	6.8	1	1	20	25	1.5	240
MSE1210-8R2M	8.2	1	1	20	23	1.6	225
MSE1210-100K	10	1	1	35	20	1.8	190
MSE1210-120K	12	1	1	35	18	2.0	180
MSE1210-150K	15	1	1	35	16	2.2	170
MSE1210-180K	18	1	1	35	15	2.5	165
MSE1210-220K	22	1	1	35	14	2.8	150
MSE1210-270K	27	1	1	35	13	3.1	125
MSE1210-330K	33	1	1	40	12	3.5	115
MSE1210-390K	39	1	1	40	11	3.9	110
MSE1210-470K	47	1	1	40	11	4.3	100
MSE1210-560K	56	1	1	40	10	4.9	85
MSE1210-680K	68	1	1	40	9	5.5	80
MSE1210-820K	82	1	1	40	8.5	6.2	70
MSE1210-101K	100	1	0.796	40	8.0	7.1	80
MSE1210-121K	120	1	0.796	40	7.5	8.0	75
MSE1210-151K	150	1	0.796	40	7	9.3	70
MSE1210-181K	180	1	0.796	40	6	10.2	65
MSE1210-221K	220	1	0.796	40	6	11.8	65
MSE1210-271K	270	1	0.796	40	5	12.5	65
MSE1210-331K	330	1	0.796	40	5	13	65
MSE1210-391K	390	1	0.796	50	5	22	50
MSE1210-471K	470	1	0.796	50	5	25	45
MSE1210-561K	560	1	0.796	50	5	28	40

► Electrical Characteristics For MSE1812 Series

Part Number	L [μH]	L Test Freq [MHz]	Q Test Freq [MHz]	Q (min)	SRF [MHz]	DCR(max) [Ω]	IDC(max) [mA]
MSE1812-1R0M	1.0	1	1	20	120	0.20	550
MSE1812-1R2M	1.2	1	1	20	100	0.25	530
MSE1812-1R5M	1.5	1	1	20	85	0.28	500
MSE1812-1R8M	1.8	1	1	20	75	0.30	500
MSE1812-2R2M	2.2	1	1	20	62	0.30	500
MSE1812-2R7M	2.7	1	1	20	53	0.32	500
MSE1812-3R3M	3.3	1	1	20	47	0.35	500
MSE1812-3R9M	3.9	1	1	20	42	0.38	500
MSE1812-4R7M	4.7	1	1	30	38	0.40	500
MSE1812-5R6M	5.6	1	1	30	35	0.47	500
MSE1812-6R8M	6.8	1	1	30	32	0.50	500
MSE1812-8R2M	8.2	1	1	30	28	0.56	500
MSE1812-100K	10	1	1	35	24	0.56	450
MSE1812-120K	12	1	1	35	22	0.62	450
MSE1812-150K	15	1	1	35	19	0.73	390
MSE1812-180K	18	1	1	35	17	0.82	370
MSE1812-220K	22	1	1	35	15	0.94	350
MSE1812-270K	27	1	1	35	14	1.1	330
MSE1812-330K	33	1	1	35	12	1.2	310
MSE1812-390K	39	1	1	35	11	1.4	280
MSE1812-470K	47	1	1	35	10	1.5	250
MSE1812-560K	56	1	1	35	9.5	1.7	225
MSE1812-680K	68	1	1	35	8.5	1.9	200
MSE1812-820K	82	1	1	35	7.5	2.2	185
MSE1812-101K	100	1	0.796	35	6.8	2.5	175
MSE1812-121K	120	1	0.796	40	6.2	3.0	165
MSE1812-151K	150	1	0.796	40	5.5	3.7	155
MSE1812-181K	180	1	0.796	40	5.0	4.5	135
MSE1812-221K	220	1	0.796	40	4.5	5.4	125
MSE1812-271K	270	1	0.796	40	4.0	6.8	115
MSE1812-331K	330	1	0.796	40	3.7	8.2	100
MSE1812-391K	390	1	0.796	40	3.3	9.7	90
MSE1812-471K	470	1	0.796	40	3.0	11.8	80
MSE1812-561K	560	1	0.796	40	2.7	14.5	70
MSE1812-681K	680	1	0.796	40	2.5	17.0	65
MSE1812-821K	820	1	0.796	40	2.2	20.5	60
MSE1812-102K	1000	1	0.252	40	2.0	25.0	50

▶ Electrical Characteristics For MSE2220 Series

Part Number	L [μ H]	L Test Freq	SRF [MHz]	DCR(max) [Ω]	IDC(max) [A]
MSE2220-1R0M	1.0	1MHz	150	0.03	4.0
MSE2220-2R2M	2.2	1MHz	80	0.05	3.2
MSE2220-3R3M	3.3	1MHz	40	0.06	2.9
MSE2220-4R7M	4.7	1MHz	30	0.07	2.7
MSE2220-6R8M	6.8	1MHz	25	0.12	2.0
MSE2220-100K	10	1MHz	20	0.13	1.7
MSE2220-150K	15	1MHz	17	0.23	1.4
MSE2220-220K	22	1MHz	15	0.29	1.2
MSE2220-330K	33	1MHz	12	0.46	0.9
MSE2220-470K	47	1MHz	10	0.58	0.8
MSE2220-680K	68	1MHz	7.6	0.96	0.64
MSE2220-101K	100	100KHz	6.5	1.25	0.56
MSE2220-151K	150	100KHz	5.0	2.70	0.42
MSE2220-221K	220	100KHz	4.0	3.40	0.32
MSE2220-331K	330	100KHz	3.1	6.20	0.27
MSE2220-471K	470	100KHz	2.4	7.65	0.24
MSE2220-681K	680	100KHz	1.9	11.3	0.19
MSE2220-102K	1000	10KHz	1.7	14.4	0.15
MSE2220-152K	1500	10KHz	1.2	30.1	0.10
MSE2220-222K	2200	10KHz	1.1	45.0	0.09
MSE2220-332K	3300	10KHz	1.0	50.0	0.08
MSE2220-472K	4700	10KHz	0.8	61.0	0.07
MSE2220-682K	6800	10KHz	0.7	100	0.06