

INDUCTORS

SMD Molded Wound Chip Inductor CM322522 Series

FEATURES:

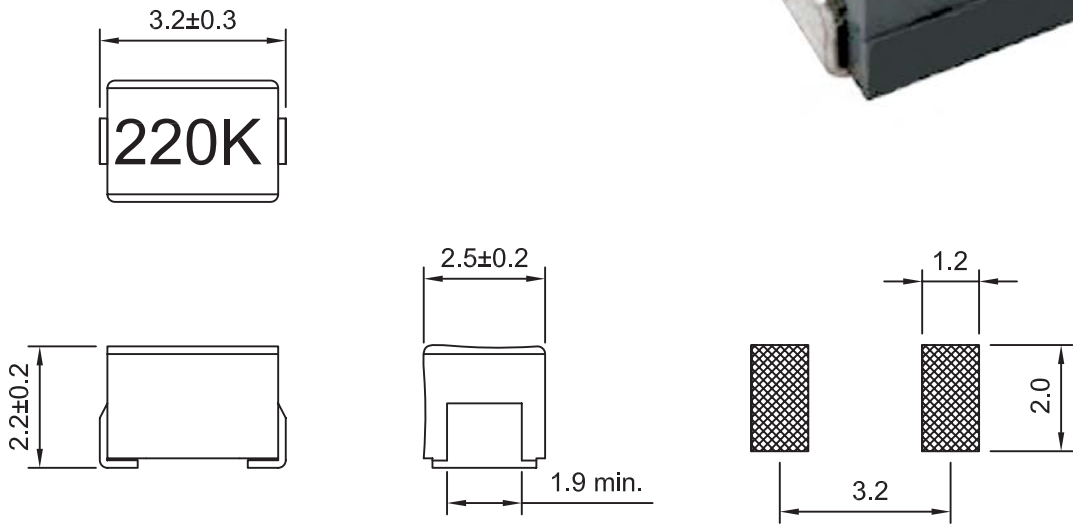
- Low DCR
- Best suited for power supply lines

APPLICATIONS:

- VCRs & Video Cameras
- Automobile Audio Systems
- Computer products & Peripherals

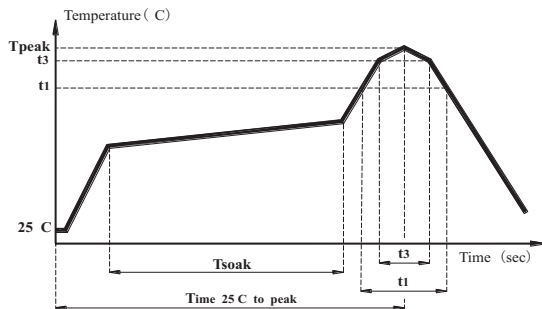
Operating temperature: - 40 C to + 85 C

Dimension: Unit: mm



PCB Layout

REFLOW PROFILE:



Item	mark	
Temperature rise gradient		30 /sec (max)
Heating time	Tsoak	50s B 150s
Heating temperature		1200 B 1800
Time over 210	t1	70 sec
Time within 5 of actual peak temperature	t3	10B3 0 sec
Peak temperature	Tpeak	250 (+0 / B-5)
Time 250 to peak Temperature		6 minutes max.

TAPE & REEL:

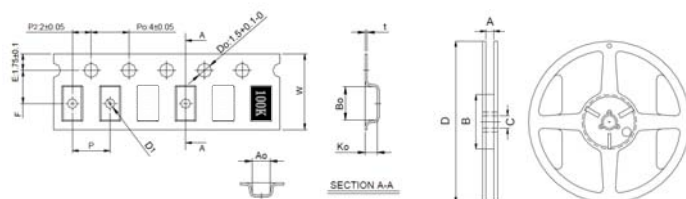
ORDER INFORMATION

CM322522 - 3R3 K - R

3R3: Inductance Code

K: Tolerance M: ± 20% (L = 0.1 ~ 0.82µH)
K: ± 10% (L = 1.0 ~ 820µH)

R: Packing Tape and Reel



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Part Number	Inductance μH	Std. Tolerance	Q min.	Test Freq. MHz	SRF min. MHz	RDC max ohm	IDC max mA
CM322522-47NM	0.047	±20 %	10	100	680	0.2	450
CM322522-56NM	0.056	±20 %	10	100	600	0.22	420
CM322522-68NM	0.068	±20 %	10	100	540	0.25	400
CM322522-82NM	0.082	±20 %	10	100	500	0.27	380
CM322522-R10M	0.1	±20 %	10	100	450	0.3	360
CM322522-R12M	0.12	±20 %	10	25.2	400	0.67	240
CM322522-R15M	0.15	±20 %	10	25.2	350	0.72	230
CM322522-R18M	0.18	±20 %	10	25.2	320	0.81	220
CM322522-R22 M	0.22	±20 %	25	25.2	230	0.29	360
CM322522-R27 M	0.27	±20 %	25	25.2	210	0.32	345
CM322522-R33 M	0.33	±20 %	25	25.2	190	0.35	330
CM322522-R39 M	0.39	±20 %	25	25.2	175	0.39	305
CM322522-R47 M	0.47	±20 %	25	25.2	160	0.44	290
CM322522-R56 M	0.56	±20 %	25	25.2	150	0.49	275
CM322522-R68 M	0.68	±20 %	25	25.2	135	0.55	260
CM322522-R82 M	0.82	±20 %	25	25.2	125	0.61	245
CM322522-1R0 K	1	±10 %	30	7.96	115	0.69	230
CM322522-1R2 K	1.2	±10 %	30	7.96	100	0.75	215
CM322522-1R5 K	1.5	±10 %	30	7.96	90	0.75	210
CM322522-1R8 K	1.8	±10 %	30	7.96	85	0.82	200
CM322522-2R2 K	2.2	±10 %	30	7.96	80	0.95	190
CM322522-2R7 K	2.7	±10 %	30	7.96	75	1.1	180
CM322522-3R3 K	3.3	±10 %	30	7.96	65	1.2	180
CM322522-3R9 K	3.9	±10 %	30	7.96	60	1.3	175
CM322522-4R7 K	4.7	±10 %	30	7.96	55	1.5	165
CM322522-5R6 K	5.6	±10 %	30	7.96	50	1.6	160
CM322522-6R8 K	6.8	±10 %	30	7.96	45	1.8	150
CM322522-8R2 K	8.2	±10 %	30	7.96	40	2	140
CM322522-100 K	10	±10 %	30	2.52	36	2.1	140
CM322522-120 K	12	±10 %	30	2.52	33	2.5	125
CM322522-150 K	15	±10 %	30	2.52	30	2.8	120
CM322522-180 K	18	±10 %	30	2.52	27	3.3	110
CM322522-220 K	22	±10 %	30	2.52	25	3.7	105
CM322522-270 K	27	±10 %	30	2.52	22	5	90
CM322522-330 K	33	±10 %	30	2.52	20	5.6	85
CM322522-390 K	39	±10 %	30	2.52	20	6.4	80
CM322522-470 K	47	±10 %	30	2.52	15	7	75
CM322522-560 K	56	±10 %	30	2.52	15	8	70
CM322522-680 K	68	±10 %	30	2.52	15	9	65
CM322522-820 K	82	±10 %	30	2.52	11	10	60
CM322522-101 K	100	±10 %	20	0.796	10	10	60
CM322522-121 K	120	±10 %	20	0.796	10	11	55
CM322522-151 K	150	±10 %	20	0.796	8	15	50
CM322522-181 K	180	±10 %	20	0.796	7	17	50
CM322522-221 K	220	±10 %	20	0.796	7	21	45