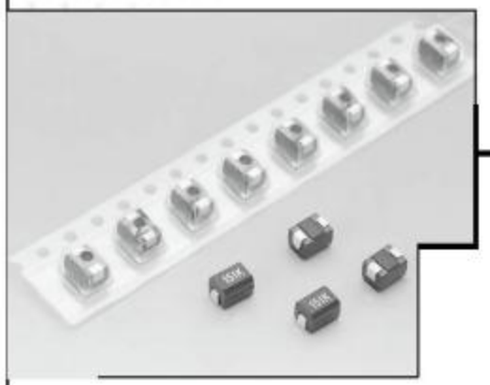
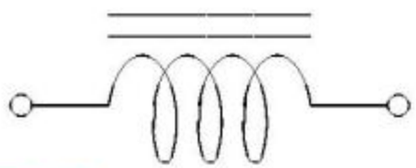
WOUND CHIP INDUCTOR

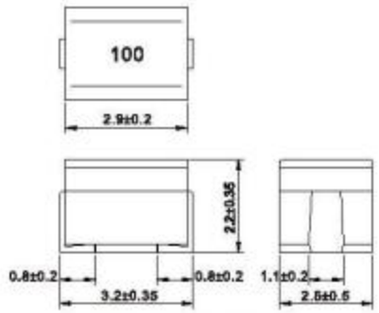
HSMI 322522 SERIES (1210)



SCHEMATIC DIAGRAM

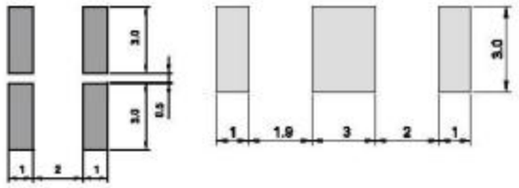


CONFIGURATION & CONSTRUCTION: (m/m)



PCB PATTERN

- PARALLEL
- SERIES



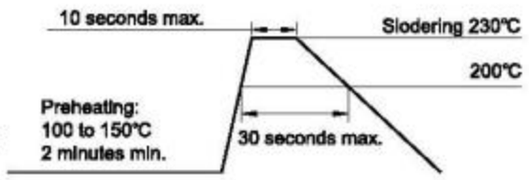
MATERIALS

- CORE: FERRITE DR CORE
- WIRE: ENAMELLED COPPER WIRE
- TERMINAL: TINNED COPPER FLAT
- ENCAPSULATE:
  EPOXY NOVOLAC MOLDING COMPOUND

GENERAL CHARACTERISTICS

- TEMP. RISE: 20°C MAX
- AMBIENT TEMP.: 80°C MAX
- STORAGE TEMP.: -40°C ~ +100°C
- OPERATING TEMP.: -25°C ~ +100°C
- TERMINAL STRENGTH: 0.5 KG MIN
- RATED CURRENT:
  CURRENT CAUSE INDUCTANCE DROP WITHIN 10%
- RESISTANCE TO SOLDER
  HEAT: 260°C 10 SECS.
- RESISTANCE TO SOLVENT: PER MIL-STD-202F

RECOMMENDED SOLDERING CONDITIONS
REFLOW SOLDERINGS



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WOUND CHIP INDUCTOR

HSMI 322522 SERIES

ELECTRICAL SPECIFICATION

PART NO. *1	INDUCTANCE (μH)	Q MIN.	LQ TEST FREQUENCY (MHz)	SELF-RESONANT FREQUENCY (MHz) MIN.	DCR (Ω) MAX.	IDC (mA) MAX.
HSMI 322522 R10☐	0.1	30	25.2	700	0.44	450
HSMI 322522 R12☐	0.12	30	25.2	500	0.22	450
HSMI 322522 R15☐	0.15	30	25.2	450	0.25	450
HSMI 322522 R18☐	0.18	30	25.2	400	0.28	450
HSMI 322522 R22☐	0.22	30	25.2	350	0.32	450
HSMI 322522 R27☐	0.27	30	25.2	320	0.36	450
HSMI 322522 R33☐	0.33	30	25.2	300	0.40	450
HSMI 322522 R39☐	0.39	30	25.2	250	0.45	450
HSMI 322522 R47☐	0.47	30	25.2	220	0.50	450
HSMI 322522 R56☐	0.56	30	25.2	180	0.55	450
HSMI 322522 R68☐	0.68	30	25.2	160	0.60	450
HSMI 322522 R82☐	0.82	30	25.2	140	0.65	450
HSMI 322522 1R0☐	1.00	30	7.96	90	0.70	400
HSMI 322522 1R2☐	1.20	30	7.96	85	0.75	390
HSMI 322522 1R5☐	1.50	30	7.96	70	0.85	370
HSMI 322522 1R8☐	1.80	30	7.96	60	0.90	350
HSMI 322522 2R2☐	2.20	30	7.96	50	1.00	320
HSMI 322522 2R7☐	2.70	30	7.96	45	1.10	290
HSMI 322522 3R3☐	3.30	30	7.96	40	1.20	260
HSMI 322522 3R9☐	3.90	30	7.96	37	1.30	250
HSMI 322522 4R7☐	4.70	30	7.96	32	1.50	220
HSMI 322522 5R6☐	5.60	30	7.96	30	1.60	200
HSMI 322522 6R8☐	6.80	30	7.96	40	1.80	180
HSMI 322522 8R2☐	8.20	30	7.96	35	2.00	170
HSMI 322522 100 ☐	10	30	2.52	30	2.10	150
HSMI 322522 120 ☐	12	30	2.52	20	2.50	140
HSMI 322522 150 ☐	15	30	2.52	20	2.80	130
HSMI 322522 180 ☐	18	30	2.52	20	3.30	120
HSMI 322522 220 ☐	22	30	2.52	20	3.70	110
HSMI 322522 270 ☐	27	30	2.52	20	5.00	80
HSMI 322522 330 ☐	33	30	2.52	17	5.60	70
HSMI 322522 390 ☐	39	30	2.52	16	6.40	65
HSMI 322522 470 ☐	47	30	2.52	15	7.00	60
HSMI 322522 560 ☐	56	30	2.52	13	8.00	55
HSMI 322522 680 ☐	68	30	2.52	12	9.00	50
HSMI 322522 820 ☐	82	30	2.52	11	10.00	45
HSMI 322522 101 ☐	100	20	0.796	10	10.00	40

*1. R47 means 0.47μH or 470nH
*2. ☐ : Means the inductance tolerance,M=±20%,K=±10%,J=±5%

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