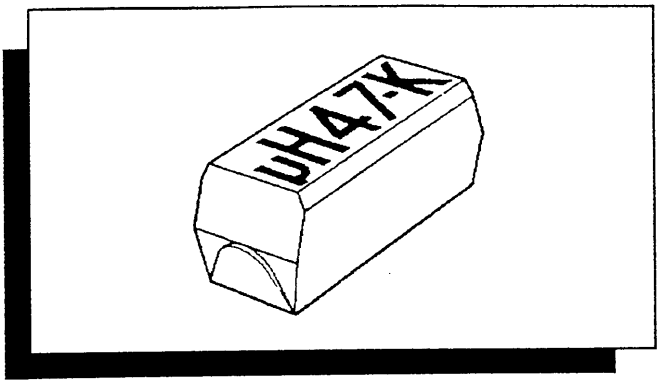


870-201 to 870-328

MEC CITEC
POTENTIOMETERS
INDUCTORS, SMDS
SWITCHES, NETWORKS
ENCODERS
POWER COMPONENTS

Chip Inductor
TYPE 3615 SERIES



HOW TO ORDER

3615	A	1R5	K
Common Part	Standard Part	Inductance	Tolerance
3615	A = Standard Part	Value Code See Table	K = ±10%

This is a high current, wound inductor, based on phenolic, iron or ferrite cores (depending on the value required). The terminations are of solder coated copper. This termination format and manufacturing process, provide above specification performance with respect to tensile, bend, and torsion requirements. Values from R.10 to 2R7 have a phenolic core, 3R3 to 100 uH an iron core and 120 uH to 1000 uH a ferrite core.

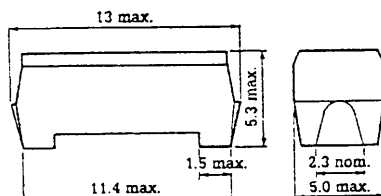
SPECIFICATIONS

Operating Temperature: -55°C to +100°C
 Temperature Rise: 30°C max.
 Power Dissipation at 70°C ambient: 0.3W
 Environmental classification: 55/100/56
 Weight: 0.7g max.

MEC CITEC KEY FEATURES

- HIGH RELIABILITY
- ATTRACTIVELY PRICED
- VERSATILE SIZE - 11.4mm x 5mm
- TEMPERATURE RANGE -25°C to +100°C
- SUPPLIED IN STANDARD CARRIER TAPE
- SUITABLE FOR DIP AND WAVE SOLDER
- INSULATION 1000 M Ω MIN.
- AVAILABLE FROM STOCK

DIMENSIONS



- Epoxy molded to withstand environmental extremes
- Suitable for vapour phase, flow, reflow and hand soldering

M MEGGITT
ELECTRONIC
COMPONENTS

SALES ACTION DESK
 Tel: (01793 611666)
 Fax: (01793 511513)

SPECIFICATIONS

Body Marking	Inductance (Micro Henries)	Qmin.	Test Frequency (MHz)	Self Resonant Frequency (MHz)	D.C. Resistance at 20°C (max.ohms)	Direct Current at 70°C (max. mA)
μH10-K	0.10 ± 10%	50	25	550	0.027	3500
μH12-K	0.12 ± 10%	50	25	550	0.028	2870
μH15-K	0.15 ± 10%	50	25	510	0.030	2770
μH18-K	0.18 ± 10%	50	25	460	0.033	2640
μH22-K	0.22 ± 10%	50	25	415	0.035	2570
μH27-K	0.27 ± 10%	50	25	380	0.043	2310
μH33-K	0.33 ± 10%	50	25	350	0.050	2150
μH39-K	0.39 ± 10%	50	25	320	0.065	1880
μH47-K	0.47 ± 10%	50	25	300	0.080	1700
μH56-K	0.56 ± 10%	50	25	270	0.10	1520
μH68-K	0.68 ± 10%	50	25	250	0.12	1385
μH82-K	0.82 ± 10%	50	25	220	0.18	1130
1μH0-K	1.0 ± 10%	50	25	200	0.25	960
1μH2-K	1.2 ± 10%	35	7.9	180	0.40	760
1μH5-K	1.5 ± 10%	35	7.9	170	0.48	690
1μH8-K	1.8 ± 10%	35	7.9	150	0.74	555
2μH2-K	2.2 ± 10%	35	7.9	140	0.90	505
2μH7-K	2.7 ± 10%	35	7.9	120	1.10	455
3μH3-K	3.3 ± 10%	35	7.9	70	0.14	1280
3μH9-K	3.9 ± 10%	35	7.9	65	0.16	1200
4μH7-K	4.7 ± 10%	35	7.9	60	0.21	1050
5μH6-K	5.6 ± 10%	35	7.9	50	0.28	905
6μH8-K	6.8 ± 10%	35	7.9	50	0.37	785
8μH2-K	8.2 ± 10%	35	7.9	48	0.40	760
10μH-K	10 ± 10%	35	7.9	42	0.60	620
12μH-K	12 ± 10%	50	2.5	35	0.85	520
15μH-K	15 ± 10%	55	2.5	30	1.2	438
18μH-K	18 ± 10%	55	2.5	30	1.8	358
22μH-K	22 ± 10%	55	2.5	24	2.0	340
27μH-K	27 ± 10%	55	2.5	22	2.7	290
33μH-K	33 ± 10%	55	2.5	20	3.4	259
39μH-K	39 ± 10%	55	2.5	18	3.8	245
47μH-K	47 ± 10%	55	2.5	16	3.4	259
56μH-K	56 ± 10%	55	2.5	15	3.7	249
68μH-K	68 ± 10%	55	2.5	13	4.0	239
82μH-K	82 ± 10%	55	2.5	10	4.4	228
mH10-K	100 ± 10%	55	2.5	8.0	4.9	216
mH12-K	120 ± 10%	60	0.79	6.8	5.6	202
mH15-K	150 ± 10%	60	0.79	6.4	6.2	192
mH18-K	180 ± 10%	60	0.79	6.0	6.9	182
mH22-K	220 ± 10%	60	0.79	5.8	7.5	175
mH27-K	270 ± 10%	60	0.79	5.6	8.2	176
mH33-K	330 ± 10%	60	0.79	5.0	9.1	159
mH39-K	390 ± 10%	60	0.79	4.5	10.0	151
mH47-K	470 ± 10%	60	0.79	4.0	11.0	144
mH56-K	560 ± 10%	60	0.79	3.6	12.3	136
mH68-K	680 ± 10%	60	0.79	3.4	13.7	129
mH82-K	820 ± 10%	60	0.79	3.1	15.1	123
1mH0-K	1000 ± 10%	60	0.79	2.5	16.5	118

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