

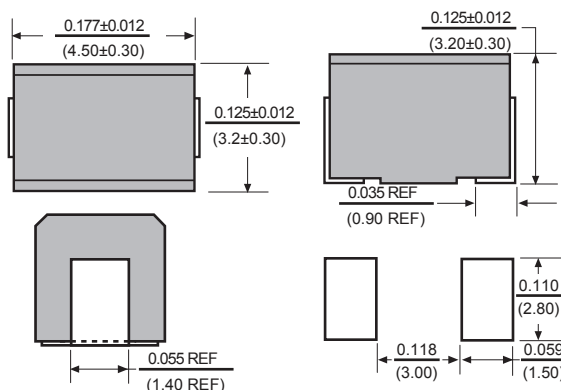


## Molded Chip Inductors

## MC30



Dimensions: Inches  
(mm)



Allied Part Number	Inductance (μh)	Tolerance (%)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	IDC (mA)
MC30-R10K-RC	.10	10	28	25.2	700	0.44	450
MC30-R12K-RC	.12	10	30	25.2	500	0.22	450
MC30-R15K-RC	.15	10	30	25.2	450	0.25	450
MC30-R18K-RC	.18	10	30	25.2	400	0.28	450
MC30-R22K-RC	.22	10	30	25.2	350	0.32	450
MC30-R27K-RC	.27	10	30	25.2	320	0.36	450
MC30-R33K-RC	.33	10	30	25.2	300	0.40	450
MC30-R39K-RC	.39	10	30	25.2	250	0.45	450
MC30-R47K-RC	.47	10	30	25.2	220	0.50	450
MC30-R56K-RC	.56	10	30	25.2	180	0.55	450
MC30-R68K-RC	.68	10	30	25.2	160	0.60	450
MC30-R82K-RC	.82	10	30	25.2	140	0.67	450
MC30-1R0K-RC	1.0	10	50	7.96	100	0.50	450
MC30-1R2K-RC	1.2	10	50	7.96	80	0.55	450
MC30-1R5K-RC	1.5	10	50	7.96	70	0.60	410
MC30-1R8K-RC	1.8	10	50	7.96	60	0.65	390
MC30-2R2K-RC	2.2	10	50	7.96	55	0.70	380
MC30-2R7K-RC	2.7	10	50	7.96	50	0.75	370
MC30-3R3K-RC	3.3	10	50	7.96	45	0.80	355
MC30-3R9K-RC	3.9	10	50	7.96	40	0.90	330
MC30-4R7K-RC	4.7	10	50	7.96	35	1.00	315
MC30-5R6K-RC	5.6	10	50	7.96	33	1.10	300
MC30-6R8K-RC	6.8	10	50	7.96	27	1.20	285
MC30-8R2K-RC	8.2	10	50	7.96	25	1.40	270
MC30-100K-RC	10	10	50	2.52	20	1.60	250
MC30-120K-RC	12	10	50	2.52	18	2.00	225
MC30-150K-RC	15	10	50	2.52	17	2.50	200
MC30-180K-RC	18	10	50	2.52	15	2.80	190
MC30-220K-RC	22	10	50	2.52	13	3.20	180
MC30-270K-RC	27	10	50	2.52	12	3.60	170
MC30-330K-RC	33	10	50	2.52	11	4.00	160
MC30-390K-RC	39	10	50	2.52	10	4.50	150
MC30-470K-RC	47	10	50	2.52	10	5.00	140
MC30-560K-RC	56	10	50	2.52	9.0	5.50	135
MC30-680K-RC	68	10	50	2.52	9.0	6.00	130
MC30-820K-RC	82	10	50	2.52	8.0	7.00	120
MC30-101K-RC	100	10	40	.796	8.0	8.00	110
MC30-121K-RC	120	10	40	.796	6.0	8.00	110
MC30-151K-RC	150	10	40	.796	5.0	9.00	105
MC30-181K-RC	180	10	40	.796	5.0	9.50	102
MC30-221K-RC	220	10	40	.796	4.0	12.0	100
MC30-271K-RC	270	10	30	.796	4.0	18.0	92
MC30-331K-RC	330	10	30	.796	3.5	20.0	85
MC30-391K-RC	390	10	30	.796	3.0	23.0	80
MC30-471K-RC	470	10	30	.796	3.0	26.0	62
MC30-561K-RC	560	10	30	.796	3.0	30.0	50
MC30-681K-RC	680	10	30	.796	3.0	40.0	50
MC30-821K-RC	820	10	30	.796	2.5	45.0	30
MC30-102K-RC	1000	10	30	.796	2.5	50.0	30

Available in tighter tolerances.

All specifications subject to change without notice.

### Features

- 1812 Molded Chip Inductor
- Excellent Solder Heat Resistance
- Terminals have high resistance to pull forces

### Electrical

**Inductance Range:** .10μh ~ 1000μh

**Tolerance:** 10% over entire range

Also available in 5%

**Test Frequency:**

.10μh ~ .82μh measured at 25.2Mhz,

1.0μh ~ 8.2μh measured at 7.96Mhz,

10μh ~ 82μh measured at 2.52Mhz,

100μh ~ 1000μh measured at .796Mhz,

**Operating Temp:** -25°C ~ +85°C @ 75% RH

**IDC:** The current at which inductance will drop no more than 10% of it's original value.

### Resistance to Soldering Heat

Pre-heating: 150°C, 1min

Solder Composition: Sn/Pb 63/37

Solder Temperature: 260 ± 5°C

Immersion Time: 10 ± 1sec, with no damage

### Physical

**Packaging:** 500 pieces per, 7" reel

**Marking:** EIA Inductance code