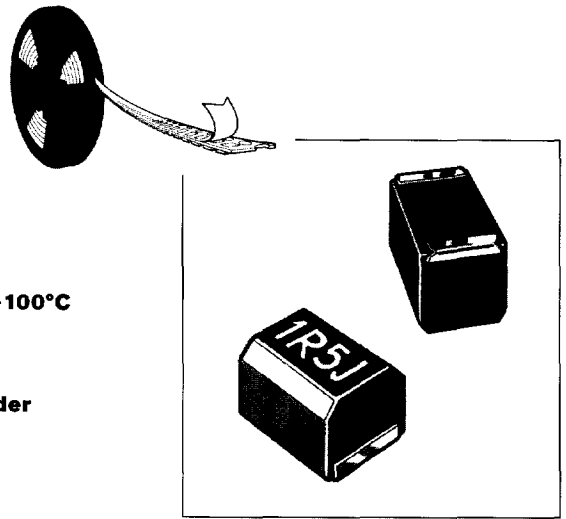


### Key features

- high reliability
- attractively priced
- small size - 4.5 x 3.2mm
- temperature range -20°C to +100°C
- taped to IEC 286 Pt 3
- suitable for dip and wave solder
- insulation 1000MΩ Min
- available from stock



### SMD Inductors

### Specification

#### type 3613 series

Specially developed for automatic mounting applications, this exciting range of chip inductors is a ferrite based product sealed in a thermoset plastic body. It employs solder coated copper terminations, with a barrier layer. Its smooth top surface makes it particularly well suited to pick and place equipment.

#### Electrical - 3613A

Inductance Code	Nominal Inductance (μH)	Inductance Tolerance (±%)	Inductance (Min)	Q	Self Resonance Frequency (MHz) (Min)	DC Resistance (Ω Max)	DC Current (mA)	Measuring Frequency (MHz)
R22	0.22	20	40	150	0.15	710	25.2	
R27	0.27	20	40	150	0.15	710	25.2	
R33	0.33	20	40	150	0.16	670	25.2	
R39	0.39	20	40	150	0.18	650	25.2	
R47	0.47	20	50	150	0.19	620	25.2	
R56	0.56	20	50	150	0.21	600	25.2	
R68	0.68	20	50	130	0.22	580	25.2	
R82	0.82	20	50	110	0.24	560	7.96	
1R0	1.0	20	50	100	0.27	530	7.96	
1R2	1.2	20	50	80	0.30	500	7.96	
1R5	1.5	20	50	70	0.33	480	7.96	
1R8	1.8	20	50	60	0.36	460	7.96	
2R2	2.2	20	50	55	0.40	430	7.96	
2R7	2.7	20	50	50	0.45	410	7.96	
3R3	3.3	20	50	45	0.48	400	7.96	
3R9	3.9	10	50	40	0.52	380	7.96	
4R7	4.7	10	50	35	0.57	360	7.96	
5R6	5.6	10	50	30	0.63	350	7.96	
6R8	6.8	10	40	25	0.69	330	7.96	
8R2	8.2	10	40	23	0.76	310	7.96	
100	10	10	40	20	0.84	300	7.96	
120	12	10	40	19	1.30	230	7.96	
150	15	10	40	18	1.50	220	2.52	
180	18	10	40	17	1.60	210	2.52	
220	22	10	40	16	1.70	200	2.52	
270	27	10	40	15	2.00	190	2.52	
330	33	10	40	14	2.20	180	2.52	
390	39	10	40	13	2.40	170	2.52	
470	47	10	40	12	2.70	160	2.52	
560	56	10	40	11	3.90	130	2.52	
680	68	10	40	9.5	4.30	125	2.52	
820	82	10	50	9.0	4.90	120	0.796	
101	100	10	50	8.5	5.60	110	0.796	
121	120	10	50	7.0	9.20	85	0.796	
151	150	10	50	6.0	10.60	80	0.796	
181	180	10	50	5.5	12.00	75	0.796	
221	220	10	50	5.0	13.70	70	0.796	

sales action desk (01793) 611666

sales fax line (01793) 511513

18:12 moulded chip winding

Electrical - 3613C

Inductance Code	Nominal Inductance (µH)	Inductance Tolerance (±%)	Q (Min)	Self Resonance Frequency (MHz) (Min)	DC Resistance (Ω Max)	DC Current (mA)	Measuring Frequency (MHz)
R10M	0.10	20	35	300	0.18	800	25.2
R12M	0.12	20	35	280	0.20	770	25.2
R15M	0.15	20	35	250	0.22	730	25.2
R18M	0.18	20	35	220	0.24	700	25.2
R22M	0.22	20	40	200	0.25	665	25.2
R27M	0.27	20	40	180	0.26	635	25.2
R33M	0.33	20	40	165	0.28	605	25.2
R39M	0.39	20	40	150	0.30	575	25.2
R47M	0.47	20	40	145	0.32	545	25.2
R56M	0.56	20	40	140	0.36	520	25.2
R68M	0.68	20	40	135	0.40	500	25.2
R82M	0.82	20	40	130	0.40	475	25.2
1R0K	1.0	10	50	100	0.50	450	7.96
1R2K	1.2	10	50	80	0.55	430	7.96
1R5K	1.5	10	50	70	0.60	410	7.96
1R8K	1.8	10	50	60	0.65	390	7.96
2R2K	2.2	10	50	55	0.70	380	7.96
2R7K	2.7	10	50	50	0.75	370	7.96
3R3K	3.3	10	50	45	0.80	355	7.96
3R9K	3.9	10	50	40	0.90	330	7.96
4R7K	4.7	10	50	35	1.00	315	7.96
5R6K	5.6	10	50	33	1.10	300	7.96
6R8K	6.8	10	50	27	1.20	285	7.96
8R2K	8.2	10	50	25	1.40	270	7.96
100K	10.0	10	50	20	1.60	250	2.52
120K	12.0	10	50	18	2.00	225	2.52
150K	15.0	10	50	17	2.50	200	2.52
180K	18.0	10	50	15	2.80	190	2.52
220K	22.0	10	50	13	3.20	180	2.52
270K	27.0	10	50	12	3.60	170	2.52
330K	33.0	10	50	11	4.00	160	2.52
390K	39.0	10	50	10	4.50	150	2.52
470K	47.0	10	50	10	5.00	140	2.52
560K	56.0	10	50	9.0	5.50	135	2.52
680K	68.0	10	50	9.0	6.00	130	2.52
820K	82.0	10	50	8.0	7.00	120	2.52
101K	100	10	40	8.0	8.00	110	0.796
121K	120	10	40	6.0	8.00	110	0.796
151K	150	10	40	5.0	9.00	105	0.796
181K	180	10	40	5.0	9.50	102	0.796
221K	220	10	40	4.0	10.0	100	0.796
271K	270	10	40	4.0	12.0	92	0.796
331K	330	10	40	3.5	14.0	85	0.796
391K	390	10	40	3.0	18.0	80	0.796
471K	470	10	40	3.0	26.0	62	0.796
561K	560	10	30	3.0	30.0	50	0.796
681K	680	10	30	3.0	30.0	50	0.796
821K	820	10	30	2.5	35.0	30	0.796
102K	1000	10	30	2.5	40.0	30	0.252

SMD Inductors

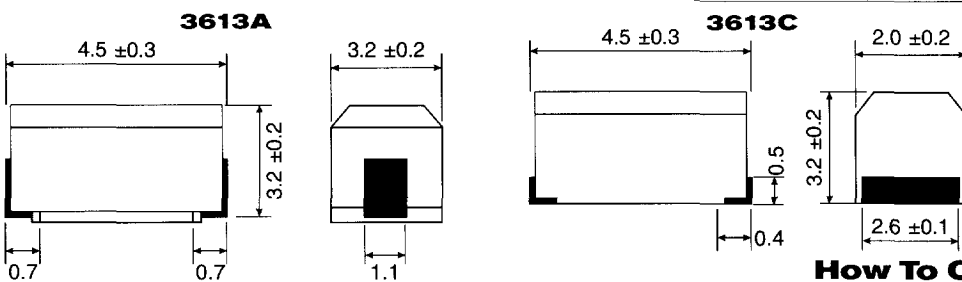
type 3613 series

The 3613C now has an extended temperature range of -20°C to +100°C, and is offered down to 5% tolerance, in values over 100µH. This is truly the last word in 1812 chip inductors.

Environmental

Insulation: 1000 Meg ohms  
 Temperature Range (3613A): -25°C to +85°C  
 Temperature Range (3613C): -20°C to +100°C

Dimensions



Packaging:  
500 Pieces (7" Reel)

How To Order

3613	A	1R5	M
Common Part	Standard Part	Inductance Value	Tolerance
3613 - 18:12 Size	A - Standard Part C - Extended Tolerance/ Temperature Range	Value Code (See Table)	M - ± 20% K - ± 10% J - ± 5%

Please Request Full Data  
Sheet F0724