

# MO1812

## Plastic Moulded Inductor High L (1 $\mu$ H-330 $\mu$ H)

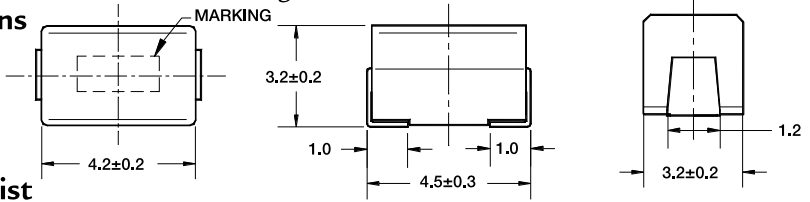
### Features

- Moulded wound chip inductors.
- Operating temperature (-40°C to +125°C).
- Resistance to solder heat 260 °C 10 s.
- High current capacity.
- Excellent solderability and resistance to soldering heat.
- Suitable for flow and reflow soldering.

### Applications.

- Computers.
- VCR and TV.
- Notebooks.
- Digital cameras

### Dimensions



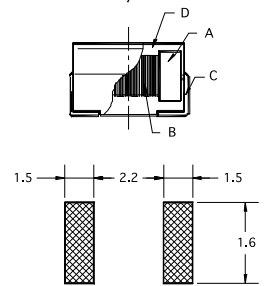
### Product List

Ordering code <sup>2</sup>	L <sub>r</sub> (μH)	Tolerance <sup>1</sup>	Marking	Q <sub>Min3</sub>	f <sub>i</sub> ,f <sub>0</sub> (MHz)	I <sub>DC</sub> max. (mA)	RDC max. (Ω)	SRF Min. (MHz)
MO1812-101M	0.10	±20%	R10	35	25.20	800	0.18	300
MO1812-121M	0.12	±20%	R12	35	25.20	770	0.20	280
MO1812-151M	0.15	±20%	R15	35	25.20	730	0.22	250
MO1812-181M	0.18	±20%	R18	35	25.20	700	0.24	220
MO1812-221M	0.22	±20%	R22	40	25.20	665	0.25	200
MO1812-271M	0.27	±20%	R27	40	25.20	635	0.26	180
MO1812-331M	0.33	±20%	R33	40	25.20	605	0.28	165
MO1812-391M	0.39	±20%	R39	40	25.20	575	0.30	150
MO1812-471M	0.47	±20%	R47	40	25.20	545	0.32	145
MO1812-561M	0.56	±20%	R56	40	25.20	520	0.36	140
MO1812-681M	0.68	±20%	R68	40	25.20	500	0.40	135
MO1812-821M	0.82	±20%	R82	40	25.20	475	0.45	130
MO1812-102K	1.00	±10%	1R0	50	7.960	450	0.50	100
MO1812-122K	1.20	±10%	1R2	50	7.960	430	0.55	80
MO1812-152K	1.50	±10%	1R5	50	7.960	410	0.60	70
MO1812-182K	1.80	±10%	1R8	50	7.960	390	0.65	60
MO1812-222K	2.20	±10%	2R2	50	7.960	380	0.70	55
MO1812-272K	2.70	±10%	2R7	50	7.960	370	0.75	50
MO1812-332K	3.30	±10%	3R3	50	7.960	355	0.80	45
MO1812-392K	3.90	±10%	3R9	50	7.960	330	0.85	40
MO1812-472K	4.70	±10%	4R7	50	7.960	315	0.90	35
MO1812-562K	5.60	±10%	5R6	50	7.960	300	1.00	33
MO1812-682K	6.80	±10%	6R8	50	7.960	285	1.10	27
MO1812-822K	8.20	±10%	8R2	50	7.960	270	1.20	25
MO1812-103K	10.0	±10%	100	50	2.520	250	1.40	20
MO1812-123K	12.0	±10%	120	50	2.520	225	1.60	18
MO1812-153K	15.0	±10%	150	50	2.520	200	2.00	17
MO1812-183K	18.0	±10%	180	50	2.520	190	2.50	15
MO1812-223K	22.0	±10%	220	50	2.520	180	2.80	13
MO1812-273K	27.0	±10%	270	50	2.520	170	3.20	12
MO1812-333K	33.0	±10%	330	50	2.520	160	3.60	11
MO1812-393K	39.0	±10%	390	50	2.520	150	4.00	10
MO1812-473K	47.0	±10%	470	50	2.520	140	4.50	10
MO1812-563K	56.0	±10%	560	50	2.520	135	5.00	9.0
MO1812-683K	68.0	±10%	680	50	2.520	130	5.50	9.0
MO1812-823K	82.0	±10%	820	50	2.520	120	6.00	8.0
MO1812-104K	100	±10%	101	40	0.796	110	7.00	8.0
MO1812-124K	120	±10%	121	40	0.796	110	8.00	6.0
MO1812-154K	150	±10%	151	40	0.796	105	9.00	5.0
MO1812-184K	180	±10%	181	40	0.796	102	9.50	5.0
MO1812-224K	220	±10%	221	40	0.796	100	10.00	4.0
MO1812-274K	270	±10%	271	40	0.796	92	12.00	4.0
MO1812-334K	330	±10%	331	40	0.796	85	14.00	3.5
MO1812-394K	390	±10%	391	40	0.796	80	18.00	3.0
MO1812-474K	470	±10%	471	40	0.796	62	26.00	3.0
MO1812-564K	560	±10%	561	30	0.796	50	30.00	3.0
MO1812-684K	680	±10%	681	30	0.796	50	30.00	3.0
MO1812-824K	820	±10%	821	30	0.796	30	35.00	2.5
MO1812-105K	1000	±10%	102	20	0.252	30	40.00	2.5

### Materials:

- A: Ferrite DR core.
- B: Enamelled copper wire class H.
- C: Terminal: Cu/Sn.
- D: Encapsulate: epoxy NOVOLAC moulding compound.

Pad layout



1. Closer tolerances upon request.
2. Replace the + by the code letter for the required inductance tolerance (G=2%, J=5%, K=10%, M=20%).
3. See Q graphics in page for more details.