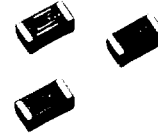
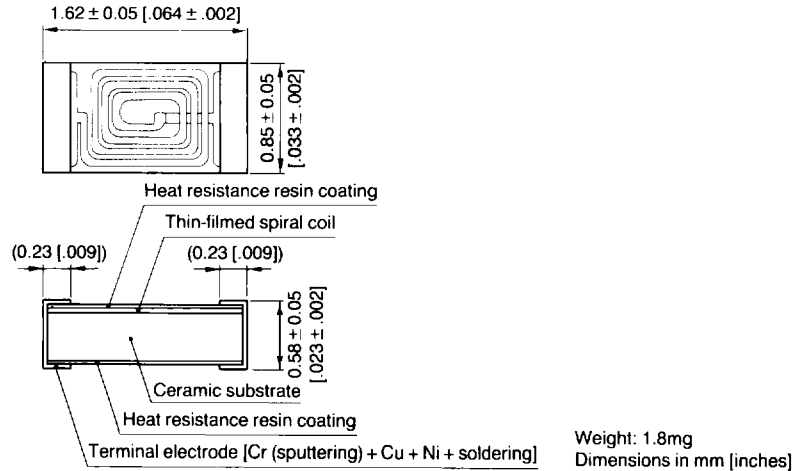


Inductors

THIN-FILM CHIP TYPE, NLU SERIES

NLU160805 TYPE



ELECTRICAL CHARACTERISTICS

Part No.	Inductance (nH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (GHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
NLU160805T-1N2C	1.2 ± 0.2nH	30	300	6	0.04	400
NLU160805T-1N5C	1.5 ± 0.2nH	25	300	6	0.08	400
NLU160805T-1N8C	1.8 ± 0.2nH	20	300	6	0.1	400
NLU160805T-2N2C	2.2 ± 0.2nH	20	300	6	0.11	400
NLU160805T-2N7C	2.7 ± 0.2nH	17	300	6	0.13	400
NLU160805T-3N3C	3.3 ± 0.2nH	17	300	6	0.16	320
NLU160805T-3N9C	3.9 ± 0.2nH	17	300	5.6	0.2	320
NLU160805T-4N7C	4.7 ± 0.2nH	17	300	5.1	0.29	240
NLU160805T-5N6C	5.6 ± 0.2nH	17	300	4.6	0.3	240
NLU160805T-6N8C	6.8 ± 0.2nH	15	300	4.2	0.34	240
NLU160805T-8N2C	8.2 ± 0.2nH	15	300	3.8	0.56	170
NLU160805T-010G	10 ± 2%	15	300	3.6	0.62	170
NLU160805T-012G	12 ± 2%	15	300	3	0.7	170
NLU160805T-015G	15 ± 2%	15	300	2.8	1	130
NLU160805T-018G	18 ± 2%	15	300	2.5	1.09	130
NLU160805T-022G	22 ± 2%	15	300	2.3	2.35	100
NLU160805T-027G	27 ± 2%	15	300	2	2.4	100

• Operating temperature range: - 40 to + 100°C

• Test equipment

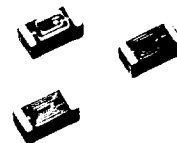
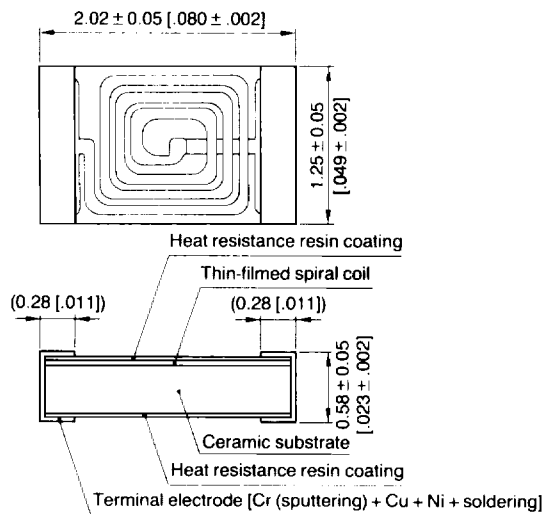
L, Q: HP4291A IMPEDANCE ANALYZER + 16193A TEST FIXTURE

SRF: HP8753C NETWORK ANALYZER

Rdc: MATSUSHITA VP-2941A DIGITAL MILLIOHM METER, or equivalent

Inductors

NLU201205 TYPE



Weight: 4mg
Dimensions in mm [inches]

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (nH)	Q min.	Test frequency L, Q (MHz)	Self-resonant frequency (GHz) min.	DC resistance (Ω) max.	Rated current (mA) max.
NLU201205T-1N2C	1.2 ± 0.2 nH	17	300	4	0.07	500
NLU201205T-1N5C	1.5 ± 0.2 nH	17	300	4	0.07	500
NLU201205T-1N8C	1.8 ± 0.2 nH	17	300	4	0.07	500
NLU201205T-2N2C	2.2 ± 0.2 nH	17	300	4	0.08	500
NLU201205T-2N7C	2.7 ± 0.2 nH	17	300	4	0.11	500
NLU201205T-3N3C	3.3 ± 0.2 nH	17	300	4	0.12	500
NLU201205T-3N9C	3.9 ± 0.2 nH	17	300	4	0.14	500
NLU201205T-4N7C	4.7 ± 0.2 nH	17	300	4	0.16	500
NLU201205T-5N6C	5.6 ± 0.2 nH	17	300	4	0.22	500
NLU201205T-6N8C	6.8 ± 0.2 nH	17	300	4	0.23	500
NLU201205T-8N2C	8.2 ± 0.2 nH	17	300	4	0.26	500
NLU201205T-010G	$10 \pm 2\%$	17	300	4	0.31	500
NLU201205T-012G	$12 \pm 2\%$	17	300	4	0.38	500
NLU201205T-015G	$15 \pm 2\%$	17	300	2.9	0.53	360
NLU201205T-018G	$18 \pm 2\%$	17	300	2.6	0.67	260
NLU201205T-022G	$22 \pm 2\%$	17	300	2.2	0.78	250
NLU201205T-027G	$27 \pm 2\%$	17	300	1.9	0.91	250
NLU201205T-033G	$33 \pm 2\%$	17	300	1.6	1.1	210
NLU201205T-039G	$39 \pm 2\%$	17	300	1.5	1.27	180
NLU201205T-047G	$47 \pm 2\%$	17	300	1.3	1.6	150
NLU201205T-056G	$56 \pm 2\%$	17	300	1.2	1.88	150

• Test equipment

L, Q: HP4291A IMPEDANCE ANALYZER + 16193A TEST FIXTURE

SRF: HP8753C NETWORK ANALYZER

Rdc: MATSUSHITA VP-2941A DIGITAL MILLIOHM METER