CL2012 Series

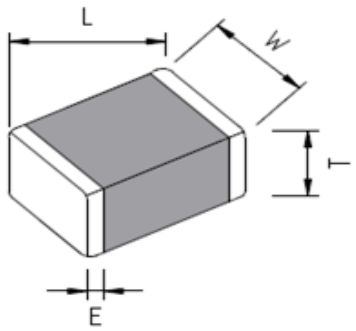
Features :

- Made of advanced ceramics and low resistance silver conductors provides excellent Q and SRF characteristics.
- Support operating frequency up to 10GHz.
- Provide high quality factor.
- Monolithic structure for high reliability.
- Excellent solderability and high heat resistance for either flow or reflow soldering.
- Operating temperature range of -55°C to +125°C
- Storage temperature range of -40°C to +85°C

Applications :

- RF circuit and module.
- Various automotive electronics.
- Mother board, tablet PC, laptop, desktop computer and peripheral equipment.
- Digital communication equipment.
- Various electronic equipment.

Shapes And Dimensions : (Unit :mm)



L	W	T	E
2.0 ± 0.2	1.25 ± 0.2	*	0.2~0.8

*Please refer to the detailed figures shown in the CL2012 series table.

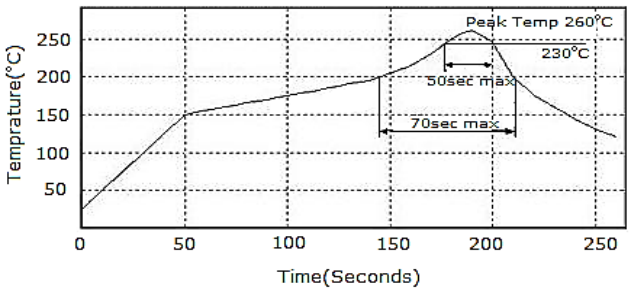
Part Number Code :

CL 2012 1N5 K -E
① ② ③ ④ ⑤

1 : Product Series
2 : Dimensions L x W
3 : Inductance Value
4 : Inductance Tolerance
5 : Lead-Free

Reflow Profile :

Peak Temp : 260°C
Max time above 230°C 50sec
Max time above 200°C 70sec



CL2012 Series

Part No.	Inductance (nH) Tolerance	Q Min.	Test Frequency (MHz)	SRF (GHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.	Thickness (mm)
CL2012-1N0S	1.0±0.3nH	10	100	10.00	0.10	300	0.85 ± 0.2
CL2012-1N2S	1.2±0.3nH	10	100	10.00	0.10	300	0.85 ± 0.2
CL2012-1N5S	1.5±0.3nH	10	100	4.00	0.10	300	0.85 ± 0.2
CL2012-1N8S	1.8±0.3nH	10	100	4.00	0.10	300	0.85 ± 0.2
CL2012-2N2S	2.2±0.3nH	10	100	4.00	0.10	300	0.85 ± 0.2
CL2012-2N7S	2.7±0.3nH	12	100	4.00	0.10	300	0.85 ± 0.2
CL2012-3N3S	3.3±0.3nH	12	100	4.00	0.13	300	0.85 ± 0.2
CL2012-3N9S	3.9±0.3nH	12	100	4.00	0.15	300	0.85 ± 0.2
CL2012-4N7S	4.7±0.3nH	12	100	3.50	0.20	300	0.85 ± 0.2
CL2012-5N6S	5.6±0.3nH	15	100	3.20	0.23	300	0.85 ± 0.2
CL2012-6N8J	6.8±5%	15	100	2.80	0.25	300	0.85 ± 0.2
CL2012-8N2J	8.2±5%	15	100	2.40	0.28	300	0.85 ± 0.2
CL2012-10NJ	10±5%	15	100	2.10	0.30	300	0.85 ± 0.2
CL2012-12NJ	12±5%	15	100	1.90	0.35	300	0.85 ± 0.2
CL2012-15NJ	15±5%	15	100	1.60	0.40	300	0.85 ± 0.2
CL2012-18NJ	18±5%	15	100	1.50	0.45	300	0.85 ± 0.2
CL2012-22NJ	22±5%	18	100	1.40	0.50	300	0.85 ± 0.2
CL2012-27NJ	27±5%	18	100	1.30	0.55	300	0.85 ± 0.2
CL2012-33NJ	33±5%	18	100	1.20	0.60	300	0.85 ± 0.2
CL2012-39NJ	39±5%	18	100	1.00	0.65	300	0.85 ± 0.2
CL2012-47NJ	47±5%	18	100	0.90	0.70	300	0.85 ± 0.2
CL2012-56NJ	56±5%	18	100	0.80	0.75	300	0.85 ± 0.2
CL2012-68NJ	68±5%	18	100	0.70	0.80	300	0.85 ± 0.2
CL2012-82NJ	82±5%	18	100	0.60	0.90	300	0.85 ± 0.2
CL2012-R10J	100±5%	18	100	0.60	0.90	300	0.85 ± 0.2
CL2012-R12J	120±5%	13	50	0.50	0.95	300	0.85 ± 0.2
CL2012-R15J	150±5%	13	50	0.50	1.00	300	1.25 ± 0.2
CL2012-R18J	180±5%	13	50	0.40	1.10	300	1.25 ± 0.2
CL2012-R22J	220±5%	12	50	0.35	1.20	300	1.25 ± 0.2
CL2012-R27J	270±5%	12	50	0.30	1.30	300	1.25 ± 0.2
CL2012-R33J	330±5%	12	50	0.25	1.40	300	1.25 ± 0.2
CL2012-R39J	390±5%	10	50	0.25	1.40	300	1.25 ± 0.2
CL2012-R47J RDC4.0	470±5%	10	50	0.20	4.00	200	1.25 ± 0.2
CL2012-R56J	560±5%	10	25	0.18	5.00	50	1.25 ± 0.2
CL2012-R68J	680±5%	10	25	0.16	5.00	50	1.25 ± 0.2