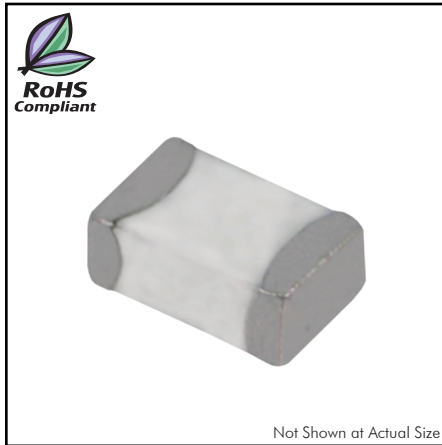


CTLL2012SF Series

From 1.0nH to 120nH



SPECIFICATIONS

Part number indicates available tolerance.

S = $\pm 0.3\text{nH}$, J = $\pm 5\%$

Part Number	Inductance (nH)	L Test Freq. (Hz)	Q Factor Min.	Q Test Freq. (MHz)	SRF Min. (GHz)	DCR Max. (Ω)	Rated DC Max. (mA)
CTLL2012SF-1N0S	1.0	250mV/100M	10	100	10	0.10	300
CTLL2012SF-1N2S	1.2	250mV/100M	10	100	10	0.10	300
CTLL2012SF-1N5S	1.5	250mV/100M	10	100	4.0	0.10	300
CTLL2012SF-1N8S	1.8	250mV/100M	10	100	4.0	0.10	300
CTLL2012SF-2N2S	2.2	250mV/100M	10	100	4.0	0.10	300
CTLL2012SF-2N7S	2.7	250mV/100M	12	100	4.0	0.10	300
CTLL2012SF-3N3S	3.3	250mV/100M	12	100	4.0	0.13	300
CTLL2012SF-3N9S	3.9	250mV/100M	12	100	4.0	0.15	300
CTLL2012SF-4N7S	4.7	250mV/100M	12	100	3.5	0.20	300
CTLL2012SF-5N6S	5.6	250mV/100M	15	100	3.2	0.23	300
CTLL2012SF-6N8J	6.8	250mV/100M	15	100	2.8	0.25	300
CTLL2012SF-8N2J	8.2	250mV/100M	15	100	2.4	0.28	300
CTLL2012SF-10NJ	10	250mV/100M	15	100	2.1	0.30	300
CTLL2012SF-12NJ	12	250mV/100M	15	100	1.9	0.35	300
CTLL2012SF-15NJ	15	250mV/100M	15	100	1.6	0.40	300
CTLL2012SF-18NJ	18	250mV/100M	15	100	1.5	0.45	300
CTLL2012SF-22NJ	22	250mV/100M	18	100	1.4	0.50	300
CTLL2012SF-27NJ	27	250mV/100M	18	100	1.3	0.55	300
CTLL2012SF-33NJ	33	250mV/100M	18	100	1.2	0.60	300
CTLL2012SF-39NJ	39	250mV/100M	18	100	1.0	0.65	300
CTLL2012SF-47NJ	47	250mV/100M	18	100	0.9	0.70	300
CTLL2012SF-56NJ	56	250mV/100M	18	100	0.8	0.75	300
CTLL2012SF-68NJ	68	250mV/100M	18	100	0.7	0.80	300
CTLL2012SF-82NJ	82	250mV/100M	18	100	0.6	0.90	300
CTLL2012SF-R10J	100	250mV/100M	18	100	0.6	0.90	300
CTLL2012SF-R12J	120	250mV/100M	13	100	0.5	0.95	300

CHARACTERISTICS

Description: Ceramic core, multi-layer chip inductor for high frequency applications

Applications: Cellular telephones, bluetooth, computer communications, radar detectors, WLAN, UWB, digital TV tuners, keyless remotes, and high miscellaneous frequency circuits

Inductance Tolerance: $\pm 0.3\text{nH}$, $\pm 5\%$

Operating Temperature: -55°C to 125°C (including self-temperature)

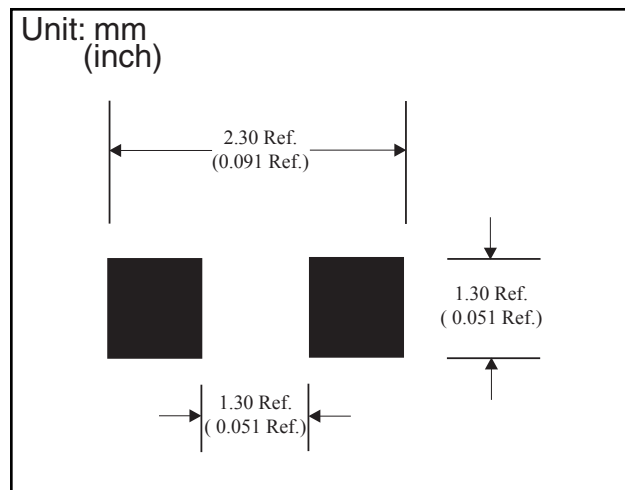
Storage Temperature: -40°C to 85°C

Storage Condition (component in its packaging):

- Temperature: Less than 40°C
- Humidity: 70% RH

Samples available. See website for ordering information.

PAD LAYOUT



PHYSICAL DIMENSIONS

