

## CTLQ1210NF Series

From 0.10µH to 560µH



### CHARACTERISTICS

- Description:** SMD wire-wound chip inductors
- Applications:** Power supplies for OA equipment, LCD televisions, PC notebooks, portable communication equipment, DC/DC converters, etc.
- Operating Temperature:** -25°C to +85°C
- Inductance Tolerance:** J = ±5%, K = ±10% & M = ±20%
- Packaging:** Tape & Reel
- Miscellaneous:** RoHS Compliant
- Testing:** Tested on an HP4285A @ specified frequency
- Pads:** Soft copper and pre-tinned
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

### SPECIFICATIONS

Please specify tolerance code when ordering  
 CTLQ1210NF-2R7\_ ← J = ±5%, K = ±10%, M = ±20%  
 \* K or M only, \*\*J or K only

Part Number	Inductance (µH)	Test Freq. (Hz)	Q Min.	DCR (Ω) Max.	SRF (MHz) Min.	Rated DC (mA) Max.
CTLQ1210NF-R10M	0.10	1M	20 @ 25.2MHz	0.25	200	700
CTLQ1210NF-R18M	0.18	1M	20 @ 25.2MHz	0.25	200	650
CTLQ1210NF-R27M	0.27	1M	25 @ 25.2MHz	0.25	200	600
CTLQ1210NF-R39M	0.39	1M	25 @ 25.2MHz	0.25	200	530
CTLQ1210NF-R56M	0.56	1M	30 @ 25.2MHz	0.25	160	530
CTLQ1210NF-R68M	0.68	1M	30 @ 25.2MHz	0.25	160	470
CTLQ1210NF-R82M	0.82	1M	30 @ 25.2MHz	0.25	120	450
CTLQ1210NF-1R0M	1.0	1M	20 @ 1MHz	0.5	100	445
CTLQ1210NF-1R2M	1.2	1M	20 @ 1MHz	0.6	100	425
CTLQ1210NF-1R5M	1.5	1M	20 @ 1MHz	0.6	75	400
CTLQ1210NF-1R8M	1.8	1M	20 @ 1MHz	0.7	60	390
CTLQ1210NF-2R2_*	2.2	1M	20 @ 1MHz	0.8	50	370
CTLQ1210NF-2R7_*	2.7	1M	20 @ 1MHz	0.9	43	320
CTLQ1210NF-3R3_*	3.3	1M	20 @ 1MHz	1.0	38	300
CTLQ1210NF-3R9_*	3.9	1M	20 @ 1MHz	1.1	35	290
CTLQ1210NF-4R7_*	4.7	1M	20 @ 1MHz	1.2	31	270
CTLQ1210NF-5R6_*	5.6	1M	20 @ 1MHz	1.3	28	250
CTLQ1210NF-6R8_*	6.8	1M	20 @ 1MHz	1.5	25	240
CTLQ1210NF-8R2_*	8.2	1M	20 @ 1MHz	1.6	23	225
CTLQ1210NF-100_**	10	1M	35 @ 1MHz	1.8	20	190
CTLQ1210NF-120_**	12	1M	35 @ 1MHz	2.0	18	180
CTLQ1210NF-150_**	15	1M	35 @ 1MHz	2.2	16	170
CTLQ1210NF-180_**	18	1M	35 @ 1MHz	2.5	15	165
CTLQ1210NF-220_**	22	1M	35 @ 1MHz	2.8	14	150
CTLQ1210NF-270_**	27	1M	35 @ 1MHz	3.1	13	125
CTLQ1210NF-330_**	33	1M	40 @ 796KHz	3.5	12	115
CTLQ1210NF-390_**	39	1M	40 @ 796KHz	3.9	11	110
CTLQ1210NF-470_**	47	1M	40 @ 796KHz	4.3	11	100
CTLQ1210NF-560_**	56	1M	40 @ 796KHz	4.9	10	85
CTLQ1210NF-680_**	68	1M	40 @ 796KHz	5.5	9.0	80
CTLQ1210NF-820_**	82	1M	40 @ 796KHz	6.2	8.5	70
CTLQ1210NF-101_**	100	1M	40 @ 796KHz	7.0	8.0	80
CTLQ1210NF-121_**	120	1M	40 @ 796KHz	8.0	7.5	75
CTLQ1210NF-151_**	150	1M	40 @ 796KHz	9.3	7.0	70
CTLQ1210NF-181_**	180	1M	40 @ 796KHz	10.2	6.0	65
CTLQ1210NF-221_**	220	1M	40 @ 796KHz	11.8	5.5	65
CTLQ1210NF-271_**	270	1M	40 @ 796KHz	12.5	5.0	65
CTLQ1210NF-331_**	330	1M	40 @ 796KHz	13.0	5.0	65
CTLQ1210NF-391_**	390	1M	50 @ 796KHz	22.0	5.0	50
CTLQ1210NF-471_**	470	1K	50 @ 796KHz	25.0	5.0	45
CTLQ1210NF-561_**	560	1K	50 @ 796KHz	28.0	5.0	40

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F	G
						Min.	Min.
mm	3.2±0.3	2.0±0.2	2.5±0.2	2.5±0.2	2.5±0.2	0.9	1.3
inches	0.13±0.01	0.08±0.008	0.10±0.008	0.10±0.008	0.10±0.008	0.035	0.05

