



# SMD Wire Wound Ceramic Chip Inductors – CT Series

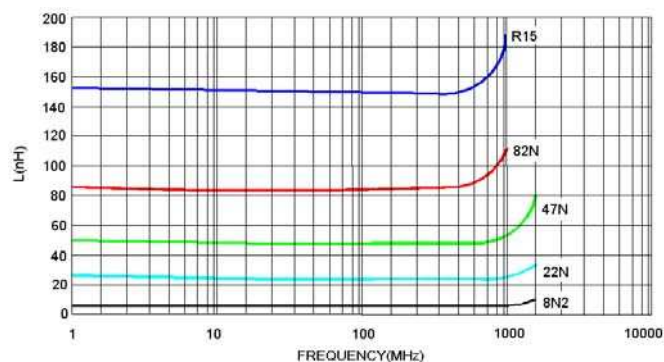
## Electrical Characteristics

Part Number	Inductance (nH)	Test Frequency (MHz)	Tolerance (±%)	Q Min	Test Frequency (MHz)	SRF (MHz) Min	Rdc (Ω) Max	Irms (mA) Max	Color
CT0805-1N8□-S	1.8	250	10	55	1500	9400	0.03	800	Black
CT0805-3N9□-S	3.9	250	10	50	1000	6100	0.06	800	Brown
CT0805-4N7□-S	4.7	250	10 / 5	50	1000	5500	0.06	800	Red
CT0805-6N8□-S	6.8	250	10 / 5	50	1000	5500	0.08	800	Orange
CT0805-8N2□-S	8.2	250	10 / 5	50	1000	4800	0.08	800	Yellow
CT0805-10N□-S	10	250	10 / 5 / 2	55	750	3300	0.08	800	Green
CT0805-12N□-S	12	250	10 / 5 / 2	55	750	3800	0.10	800	Blue
CT0805-15N□-S	15	250	10 / 5 / 2	50	500	2950	0.10	800	Violet
CT0805-18N□-S	18	250	10 / 5 / 2	50	500	3100	0.13	800	Gray
CT0805-22N□-S	22	250	10 / 5 / 2	50	500	2900	0.15	800	White
CT0805-27N□-S	27	250	10 / 5 / 2	50	500	2450	0.23	600	Black
CT0805-33N□-S	33	250	10 / 5 / 2	55	500	2350	0.28	600	Brown
CT0805-39N□-S	39	250	10 / 5 / 2	55	500	2200	0.33	600	Red
CT0805-47N□-S	47	200	10 / 5 / 2	50	500	2000	0.39	600	Orange
CT0805-56N□-S	56	200	10 / 5 / 2	50	500	1850	0.39	500	Yellow
CT0805-68N□-S	68	200	10 / 5 / 2	50	500	1500	0.40	500	Green
CT0805-82N□-S	82	150	10 / 5 / 2	50	500	1500	0.44	500	Blue
CT0805-R10□-S	100	150	10 / 5 / 2	50	500	1200	0.64	400	Violet
CT0805-R12□-S	120	150	10 / 5 / 2	40	250	1150	0.68	300	Gray
CT0805-R15□-S	150	150	10 / 5 / 2	40	250	1050	0.80	300	White
CT0805-R18□-S	180	150	10 / 5 / 2	40	250	950	0.90	300	Black
CT0805-R22□-S	220	150	10 / 5 / 2	40	250	900	0.98	300	Brown
CT0805-R27□-S	270	150	10 / 5 / 2	40	250	850	1.30	300	Red
CT0805-R33□-S	330	100	10 / 5 / 2	40	250	800	1.45	300	Orange
CT0805-R39□-S	390	100	10 / 5 / 2	35	250	700	1.60	300	Yellow
CT0805-R47□-S	470	50	10 / 5 / 2	25	100	600	1.80	300	Green
CT0805-R56□-S	560	25	10 / 5 / 2	18	50	550	1.90	300	Blue
CT0805-R62□-S	620	25	10 / 5 / 2	18	50	450	2.00	300	Violet
CT0805-R68□-S	680	25	10 / 5 / 2	18	50	420	2.10	300	Gray
CT0805-R75□-S	750	25	10 / 5 / 2	18	50	400	2.20	300	White
CT0805-R82□-S	820	25	10 / 5 / 2	18	50	400	2.50	300	Black
CT0805-1R0□-S	1000	25	10 / 5	17	50	330	3.10	300	Brown

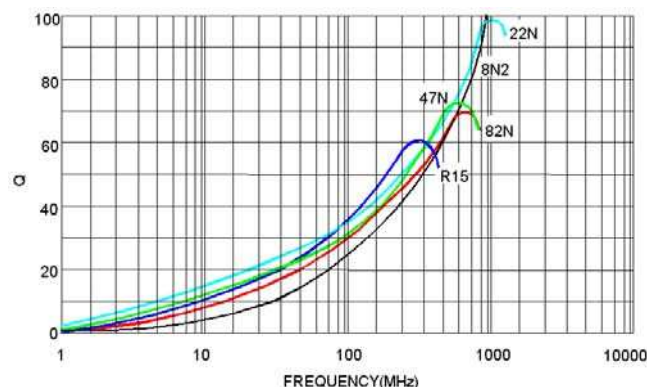
- When ordering, please specify tolerance and packaging codes.
- Tolerance: G = ±2%, J = ±5% , K = ±10%
- L/Q: Agilent E4991A+ Agilent HP16197A
- SRF: Agilent/HP8753D / Agilent E4991A
- RDC: CH502BC/ HP4338B
- I<sub>rms</sub> for a 15°C rise above 25°C ambient.
- Operating temperature range from -40°C to 125°C. (Including self - temperature rise)

## Test Instruments : Agilent E4991A Material/Impedance Analyzer

Typical **L** vs. **Frequency**

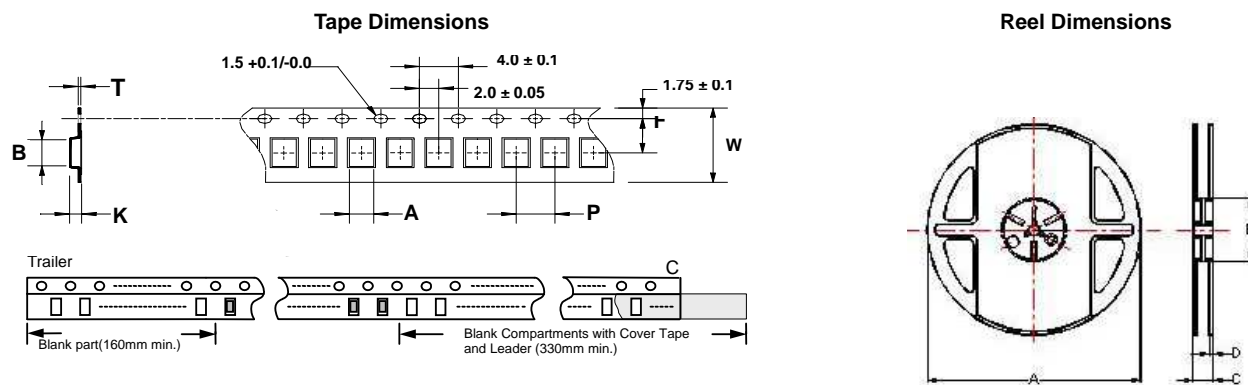


Typical **Q** vs. **Frequency**



# SMD Wire Wound Ceramic Chip Inductors - CT Series

## Packaging Specifications



## Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Quantity
	A	B	T	W	P	F	K	A	B	C	D	PCS / REEL
CT0805	1.85	2.45	0.23	8	4	3.5	1.10	178	60	12	1.5	2000