



# CWW0805 SERIES CERAMIC SM CHIP INDUCTOR



COTS+

## ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Temperature Rise @ 90°C:** <35°C
- **Dielectric Withstanding Voltage:** 200 V<sub>RMS</sub>
- **Different electrical values available upon request**

## FEATURES

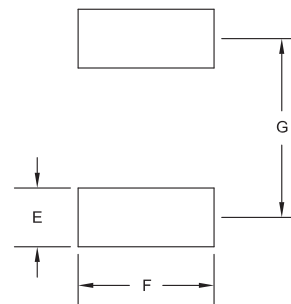
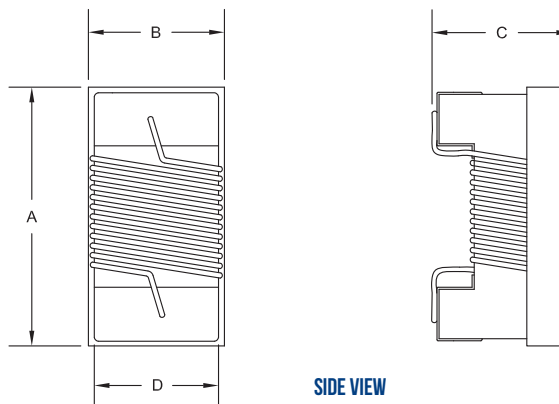
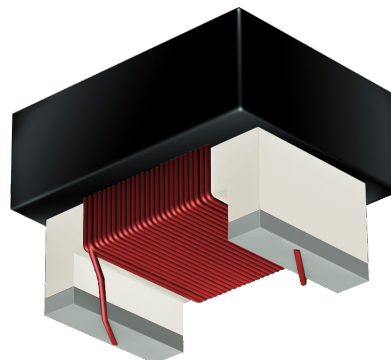
- **High Q**
- **Terminations:** Tin-lead, Gold
- Welded Connections
- Moisture, Shock and Immersion Resistant
- **Resistance to Soldering Heat:** 265°C for 10 secs
- **Other termination finishes available**
- **Tape and Reel Packaging Available**
- **Max Weight:** 0.05 grams

## APPLICATIONS

- Filter inductors
- Impedance matching
- Ripple suppressors
- Resonance circuits
- AC Chokes
- Phased array

Inductance Range (nH)	DCR (Ohms)	Current Rating (mA)
2.4 to 2200	0.080 to 5.0	1000 to 140

ALL DIMENSIONS: INCHES



Package	A max	B max	C max	D ref	E ref	F ref.	G ref.
<b>0805</b>	0.095	0.070	0.060	0.050	0.040	0.070	0.070

### CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types





Vanguard P/N	Inductance Freq (MHz)	Inductance Nominal (nH)	Q Freq (MHz)	Q min	SRF min (MHz)	DCR Nominal (Ohms)	DC Current max (mA)
CWW0805-2R4X*-*	250	2.4	1800	55	6000	0.080	1000
CWW0805-2R7X*-*	250	2.7	1800	55	6000	0.080	1000
CWW0805-3R3X*-*	250	3.3	1500	50	6000	0.080	1000
CWW0805-4R7X*-*	250	4.7	1500	60	5000	0.080	1000
CWW0805-5R6X*-*	250	5.6	1500	60	5000	0.090	1000
CWW0805-6R8X*-*	250	6.8	1500	60	4600	0.110	1000
CWW0805-8R2X*-*	250	8.2	1500	55	4600	0.120	970
CWW0805-10RX*-*	250	10	1500	60	4500	0.130	930
CWW0805-12RX*-*	250	12	500	65	4000	0.150	870
CWW0805-15RX*-*	250	15	500	50	2800	0.170	810
CWW0805-18RX*-*	250	18	500	50	2600	0.200	750
CWW0805-22RX*-*	250	22	500	55	2300	0.220	720
CWW0805-27RX*-*	250	27	500	55	2300	0.250	670
CWW0805-33RX*-*	250	33	500	60	2000	0.270	650
CWW0805-39RX*-*	250	39	500	60	2000	0.290	625
CWW0805-47RX*-*	250	47	500	60	1900	0.310	600
CWW0805-56RX*-*	250	56	500	50	1600	0.340	570
CWW0805-68RX*-*	250	68	500	50	1500	0.380	640
CWW0805-82RX*-*	150	82	500	55	1330	0.420	520
CWW0805-100RX*-*	150	100	500	55	1250	0.460	490
CWW0805-120RX*-*	150	120	250	45	1100	0.510	470
CWW0805-150RX*-*	100	150	250	45	920	0.700	400
CWW0805-180RX*-*	100	180	250	45	920	0.800	370
CWW0805-220RX*-*	100	220	250	45	820	1.20	300
CWW0805-270RX*-*	100	270	200	40	730	1.20	300
CWW0805-330RX*-*	100	330	200	40	750	1.80	250
CWW0805-390RX*-*	100	390	200	40	700	2.00	230
CWW0805-470RX*-*	100	470	200	40	600	3.00	210
CWW0805-560RX*-*	100	560	200	40	500	3.50	180
CWW0805-680RX*-*	50	680	200	40	450	4.00	170
CWW0805-820RX*-*	25	820	25	15	250	2.50	210
CWW0805-1000RX*-*	25	1000	25	15	250	3.00	195
CWW0805-1800RX*-*	7.9	1800	7.9	15	50	4.50	150
CWW0805-2200RX*-*	7.9	2200	7.9	15	40	5.00	140

\*See VE part number structure key

**CUSTOM DESIGNS & MODIFICATIONS:**

Other electrical configurations and performance characteristics are available in various sizes and package types

**CWW0805 SERIES**







VE PART NUMBER STRUCTURE KEY

EXAMPLE: CWW0603-2R4KS-W

INDUCTANCE ( nH )

2.4  
2R4  
\*R = Decimal point

TOLERANCE

M	20%
K	10%
J	5%
G	2%
*F	1%

\*Consult factory

TERMINATION

S	SnPb
G	Gold

PACKAGING (Default Waffle)

W	Waffle Pack
T	Tape and Reel

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