



CWW0603 SERIES CERAMIC SM CHIP INDUCTOR



COTS+

ELECTRICAL SPECIFICATIONS

- Operating Temperature: -40°C to +125°C
Storage Temperature: -45°C to +130°C
Temperature Rise @ 90°C: <35°C
Dielectric Withstanding Voltage: 200 V_RMS
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
Ripple suppressors
AC Chokes
Impedance matching
Resonance circuits
Phased array

Table with 3 columns: Inductance Range (nH), DCR (Ohms), Current Rating (mA). Values: 1.8 to 330, 300 to 6000, 1000 to 179.

ALL DIMENSIONS: INCHES

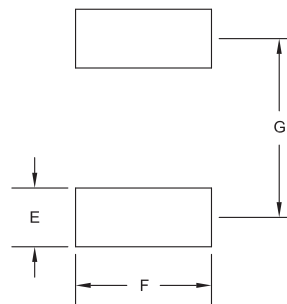
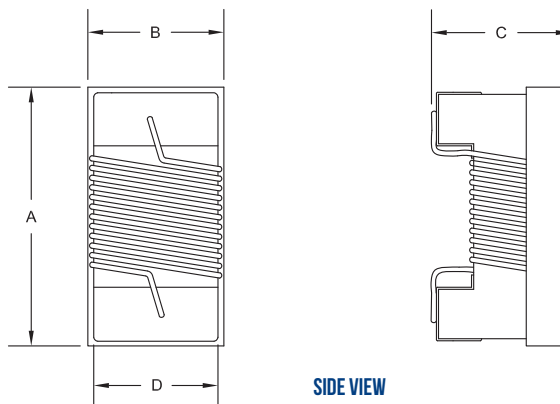
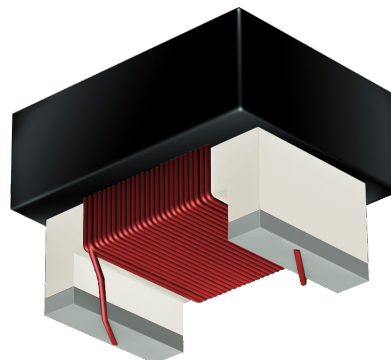


Table with 8 columns: Package, A max, B max, C max, D ref., E ref., F ref., G ref. Row 1: 0603, 0.071, 0.047, 0.040, 0.030, 0.025, 0.040, 0.050.

CUSTOM DESIGNS & MODIFICATIONS:

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





DATA TABLE

Vanguard P/N	Inductance Nominal (nH)	Q min	Test Freq (MHz)	SRF min (MHz)	DCR Nominal (Ohms)	DC Current max (mA)
CWW0603-1R8X*-*	1.8	22	250	6000	0.070	1000
CWW0603-3R6X*-*	3.6	22	250	6000	0.070	1000
CWW0603-3R9X*-*	3.9	22	250	6000	0.070	1000
CWW0603-4R7X*-*	4.7	22	250	6000	0.090	887
CWW0603-6R8X*-*	6.8	30	250	5800	0.100	841
CWW0603-10RX*-*	10	31	250	4800	0.160	665
CWW0603-12RX*-*	12	35	250	4000	0.130	738
CWW0603-15RX*-*	15	35	250	4000	0.170	645
CWW0603-18RX*-*	18	35	250	3100	0.170	645
CWW0603-22RX*-*	22	38	250	3000	0.190	610
CWW0603-27RX*-*	27	40	250	2800	0.220	567
CWW0603-33RX*-*	33	40	250	2300	0.220	567
CWW0603-39RX*-*	39	40	250	2200	0.240	543
CWW0603-47RX*-*	47	38	200	2000	0.280	503
CWW0603-56RX*-*	56	38	200	1900	0.310	478
CWW0603-68RX*-*	68	37	200	1700	0.360	443
CWW0603-82RX*-*	82	34	150	1700	0.540	362
CWW0603-100RX*-*	100	34	150	1400	0.747	308
CWW0603-120RX*-*	120	32	150	1300	0.788	300
CWW0603-150RX*-*	150	28	150	990	1.14	249
CWW0603-180RX*-*	180	25	150	990	1.28	235
CWW0603-220RX*-*	220	25	100	700	1.70	204
CWW0603-270RX*-*	270	16	25	600	1.78	199
CWW0603-330RX*-*	330	14	25	300	2.20	179

*See VE part number structure key

VE PART NUMBER STRUCTURE KEY

EXAMPLE: CWW0603-1R8KS-W

INDUCTANCE (nH)

1.8
1R8

*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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