RoHS/ REACH COMPLIANT

SMT Common Mode Chokes for power line applications

- Solutions for use in a wide array of power line circuits
- Ideal for use in consumer electronics and industrial applications
- Suppression of high frequency common mode noise up to 100 MHz
- Excellent current ratings – up to 10 A
- Isolation (hipot) up to 1500 Vrms
- Surface mount toroids
- Upon request, additional values may be available for particular applications

Part number	Common mode peak impedance (kOhms)	Inductance (mH) nom	Inductance (mH) min	Irms (A)	DCR max (mOhms)	Isolation (Vrms)	Length max (mm)	Width max (mm)	Height max (mm)	Page
CE1755-AL	3.32 @ 5.1 MHz	0.88	0.57	1.2	130	1000	13.00	13.00	5.46	2
CR7915-AL	3.10 @ 4.9 MHz	1.12	0.73	2.6	49.5	1500	13.00	13.00	5.60	3
CF3094-AL	7.93 @ 2.5 MHz	1.17	0.76	1.1	200	1000	13.00	13.00	5.46	4
CM6518-AL	4.17 @ 1.9 MHz	1.40	0.91	2.5	60.0	1500	16.38	14.22	8.90	5
CJ5094-CL	28.28 @ 0.26 MHz	10.0	6.5	1.2	180	1000	16.38	14.22	8.90	6
CV9172-AL	70.01 @ 0.21 MHz	22.0	14.3	0.57	850	1000	16.38	14.22	8.90	7
CF2638L	2.59 @ 4.3 MHz	0.22	0.14	2.9	60.0	1000	19.56	17.02	9.91	8
CD1479-AL	4.19 @ 3.0 MHz	0.59	0.38	4.2	20.0	1000	19.56	17.02	9.91	9
CH4659-AL	4.56 @ 2.5 MHz	0.77	0.50	4.7	40.0	1000	19.56	17.02	9.91	10
CD1480-BL	4.53 @ 2.2 MHz	1.32	0.85	3.5	60.0	1000	19.56	17.02	9.91	11
CE2439L	9.42 @ 1.1 MHz	1.47	0.96	2.5	80.0	1000	19.56	17.02	9.91	12
CG3333-AL	2.27 @ 2.9 MHz	0.90	0.59	3.7	50.0	1000	19.56	17.02	9.90	13
CG3528-AL	6.23 @ 0.72 MHz	3.00	1.95	3.1	42.0	1000	19.56	17.02	9.91	14
CE1759-AL	4.82 @ 0.99 MHz	0.81	0.52	6.0	14.0	1000	31.0	26.0	13.0	15
CG3885-AL	3.11 @ 1.8 MHz	0.47	0.30	10.0	8.0	1000	31.0	26.0	12.7	16
CF2805-AL	3.64 @ 1.9 MHz	0.63	0.40	6.8	14.0	1000	31.0	26.0	12.7	17

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Document 1194P-1 Revised 09/09/21

Common Mode Choke – CE1755-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CE1755-AL_	3.32 @ 5.1 MHz	0.88	0.57	1.2	130	1000

1. When ordering, please specify **packaging** code:

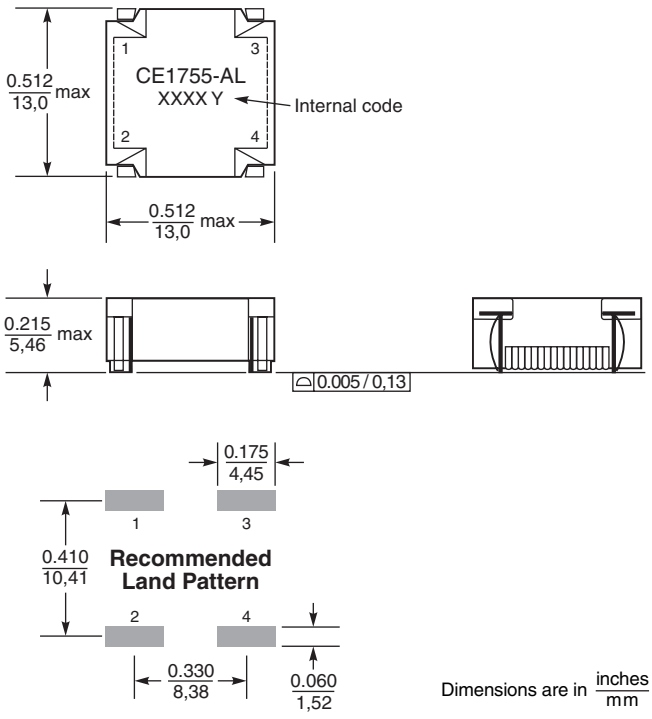
CE1755-ALD

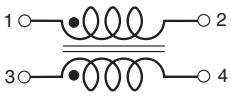
Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (600 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

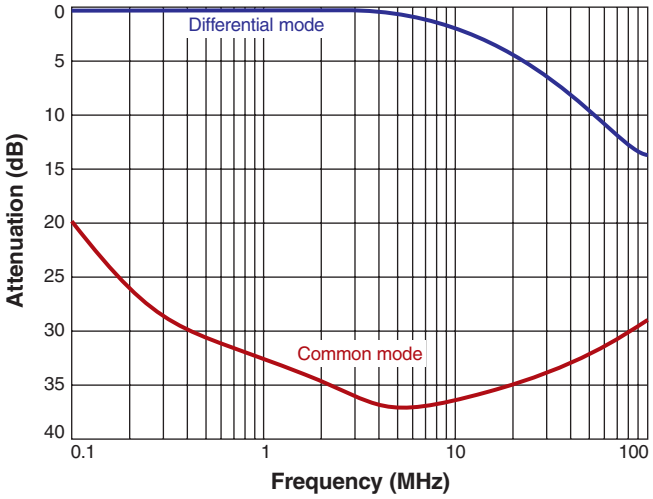
2. Inductance shown for each winding, measured at 100 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

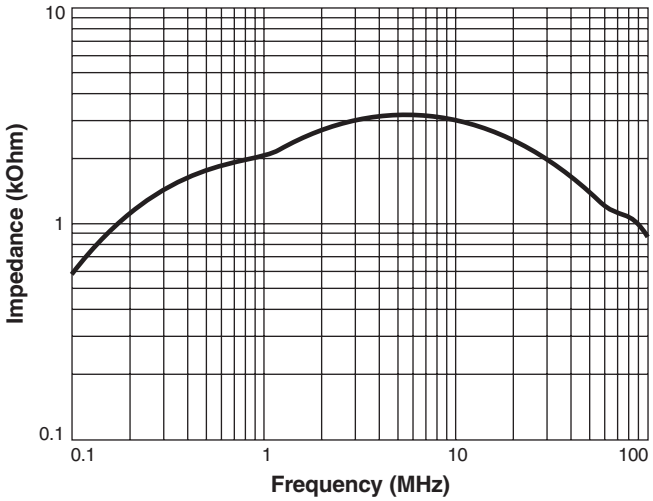




Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 0.92 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 600/13″ reel Plastic tape: 24 mm wide, 0.4 mm thick, 16 mm pocket spacing, 5.5 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Document 1194P-2 Revised 09/09/21

Common Mode Choke – CR7915-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CR7915-AL_	3.10 @ 4.9 MHz	1.12	0.73	2.6	49.5	1500

1. When ordering, please specify **packaging** code:

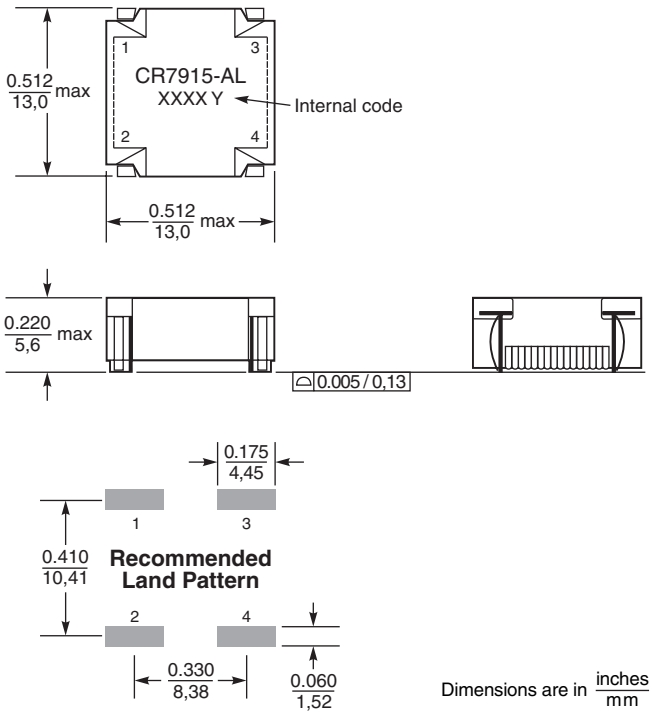
CR7915-ALD

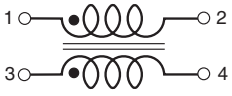
Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (600 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

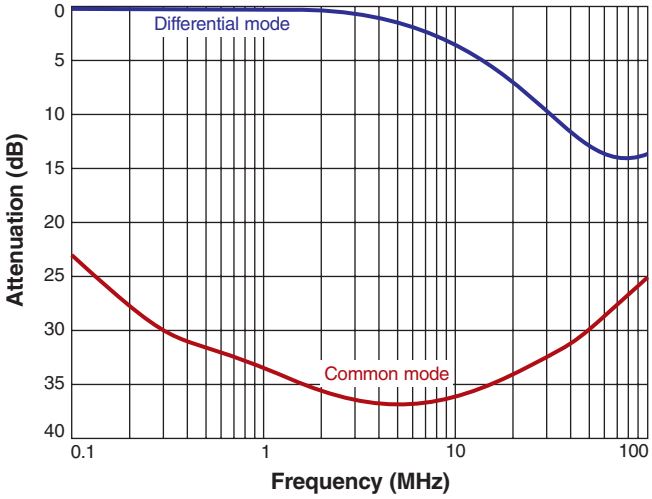
2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

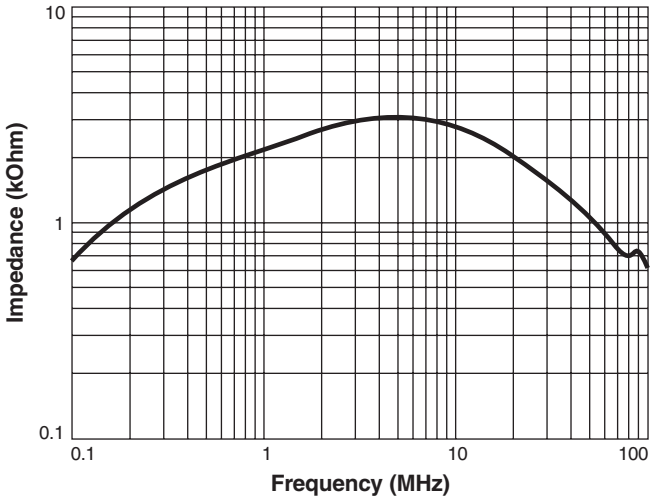




Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 1.53 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C. Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 600/13″ reel Plastic tape: 24 mm wide, 0.4 mm thick, 16 mm pocket spacing, 5.5 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Chokes – CF3094-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CF3094-AL_	7.93 @ 2.5 MHz	1.17	0.76	1.1	200	1000

1. When ordering, please specify **packaging** code:

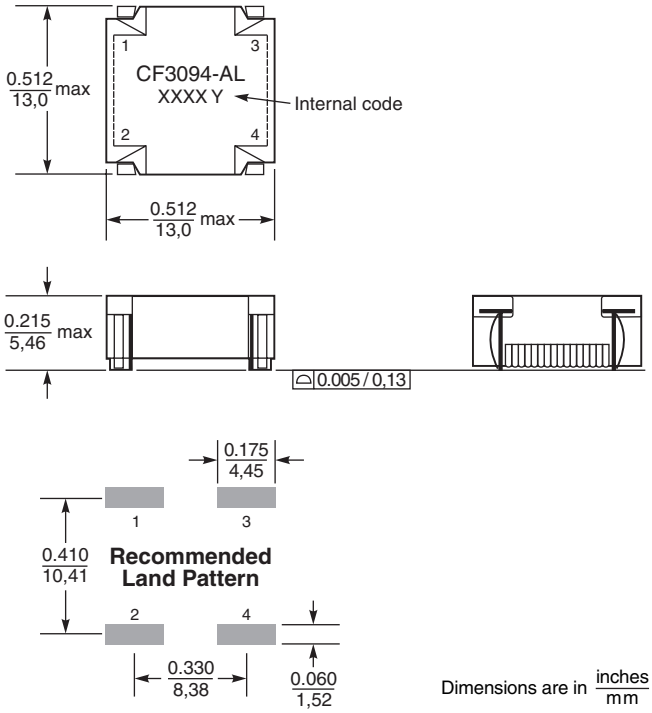
CF3094-ALD

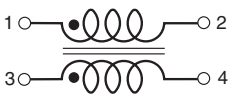
Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (600 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

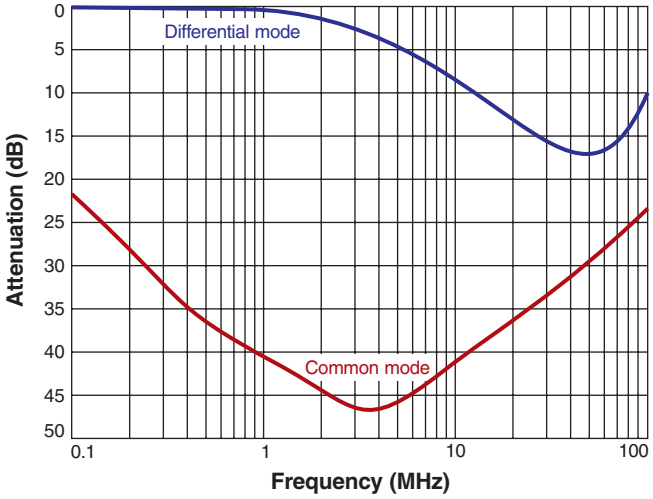
2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

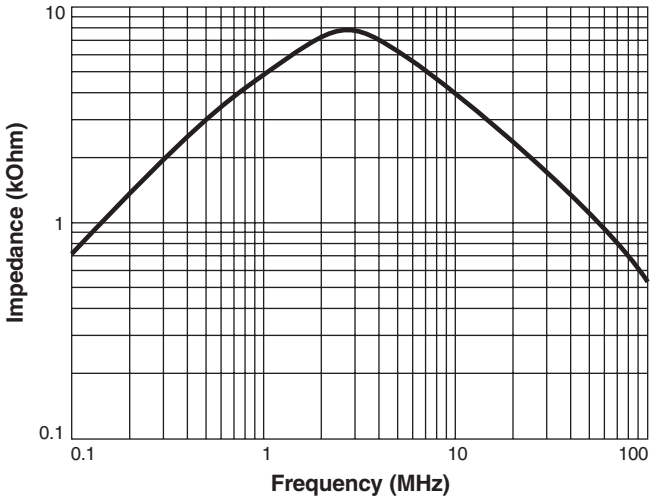




Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 1.38 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 600/13″ reel Plastic tape: 24 mm wide, 0.4 mm thick, 16 mm pocket spacing, 5.5 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CM6518-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CM6518-AL_	4.17 @ 1.9 MHz	1.40	0.91	2.5	60.0	1500

1. When ordering, please specify **packaging** code:

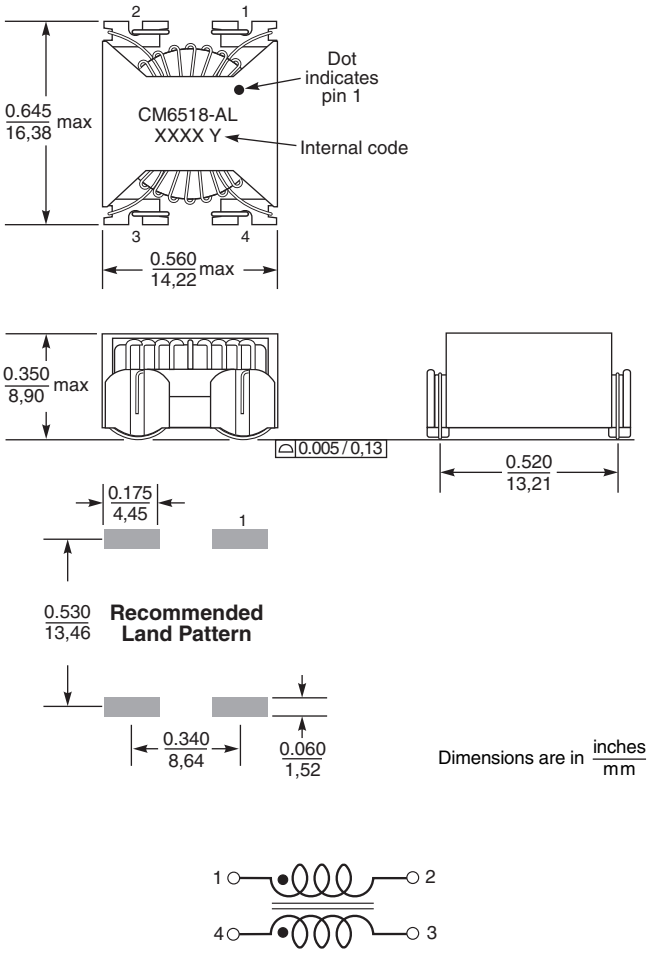
CM6518-ALD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (350 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

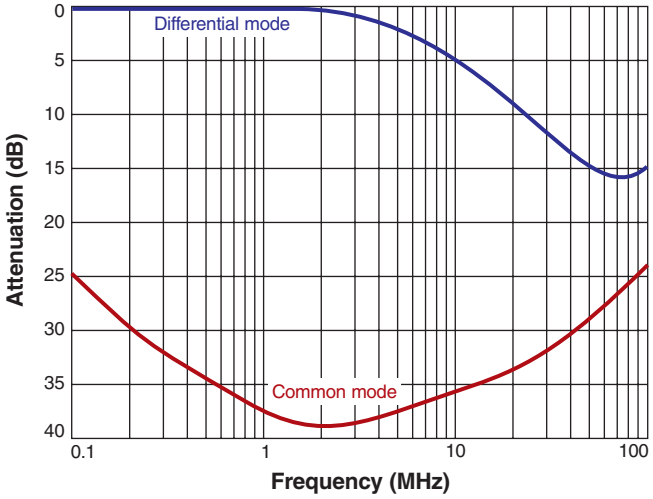
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

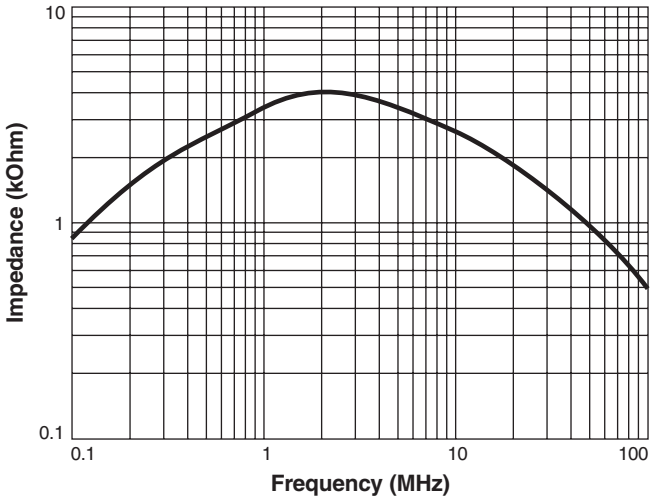
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 2.48 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C. Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 350/13″ reel Plastic tape: 24 mm wide, 0.4 mm thick, 20 mm pocket spacing, 9.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CJ5094-CL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CJ5094-CL_	28.28 @ 0.26 MHz	10.0	6.5	1.2	180	1000

1. When ordering, please specify **packaging** code:

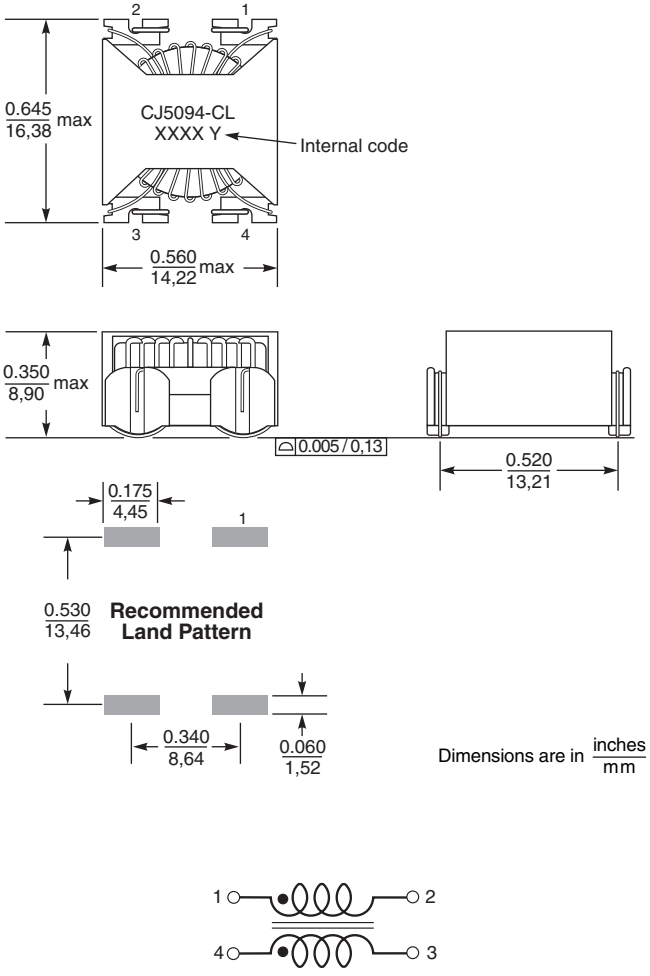
CJ5094-CLD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (350 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

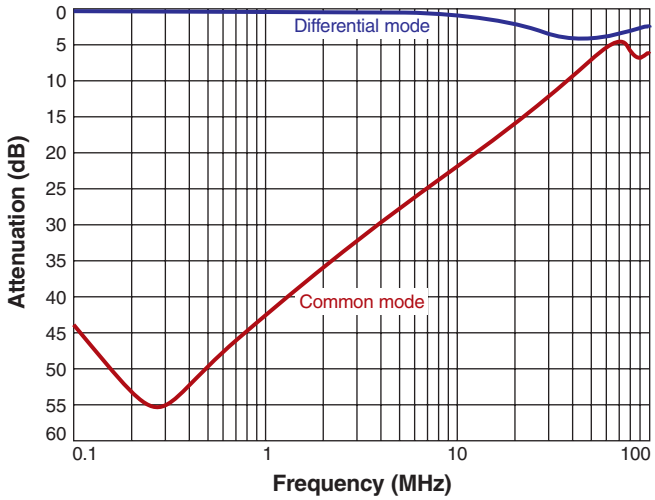
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

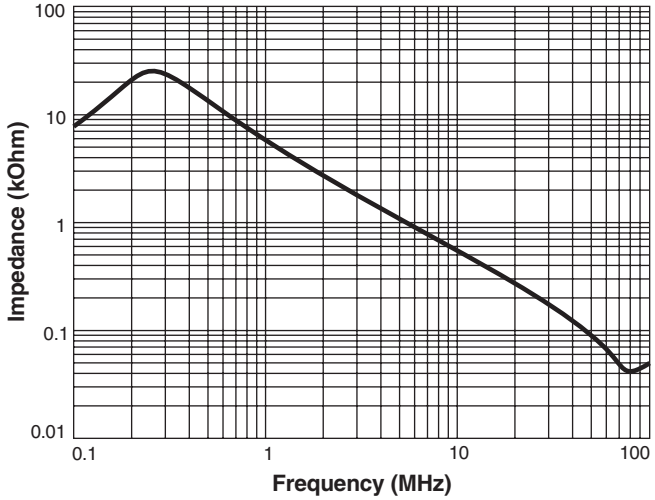
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 2.9 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 350/13″ reel Plastic tape: 24 mm wide, 0.4 mm thick, 24 mm pocket spacing, 8.6 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CV9172-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CV9172-AL_	70.01 @ 0.21 MHz	22.0	14.3	0.57	850	1000

1. When ordering, please specify **packaging** code:

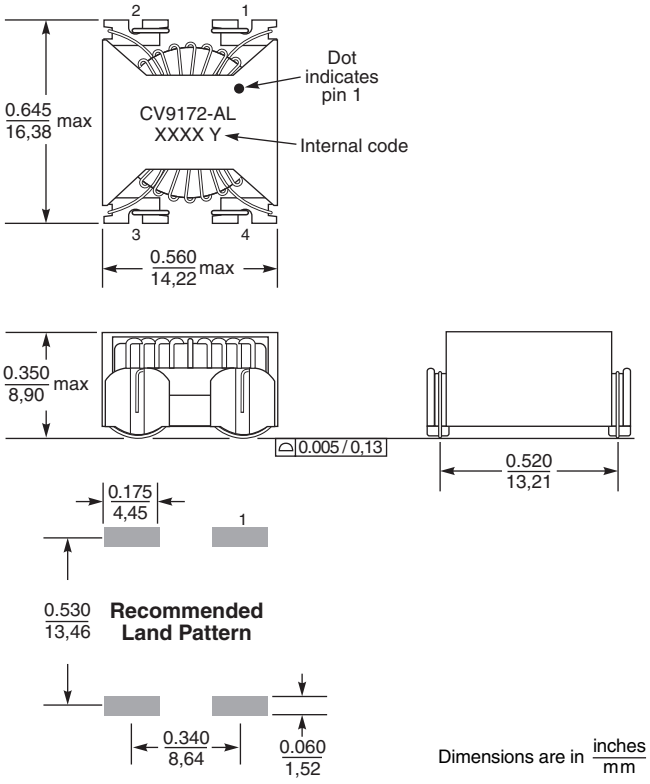
CV9172-ALD

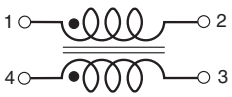
Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (350 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

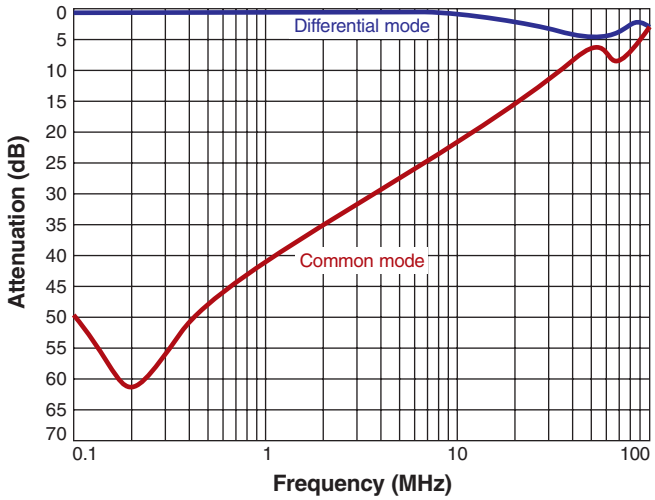
2. Inductance shown for each winding, measured at 10 kHz, 1.0 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

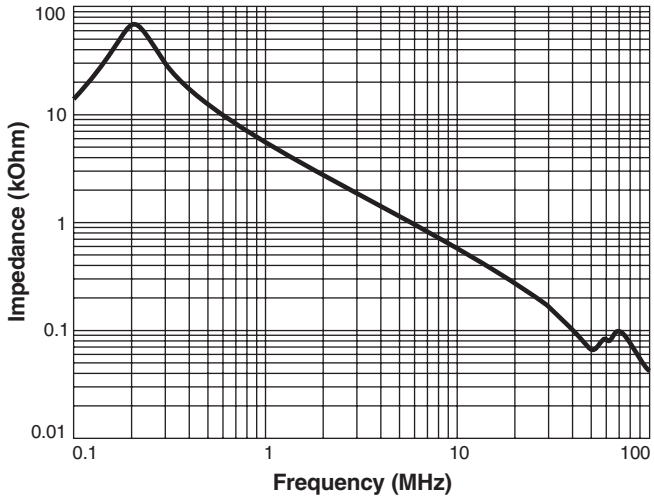




Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 2.4 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 350/13″ reel Plastic tape: 24 mm wide, 0.4 mm thick, 20 mm pocket spacing, 9.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CF2638L

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CF2638LD	2.59 @ 4.3 MHz	0.22	0.14	2.9	60.0	1000

1. When ordering, please specify **packaging** code:

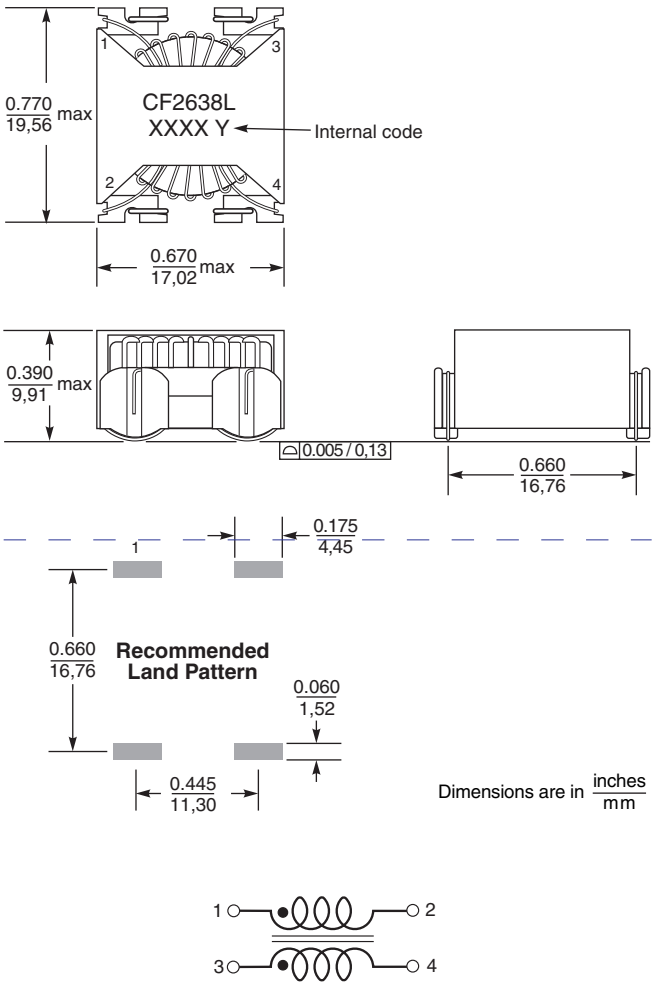
CF2638LD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

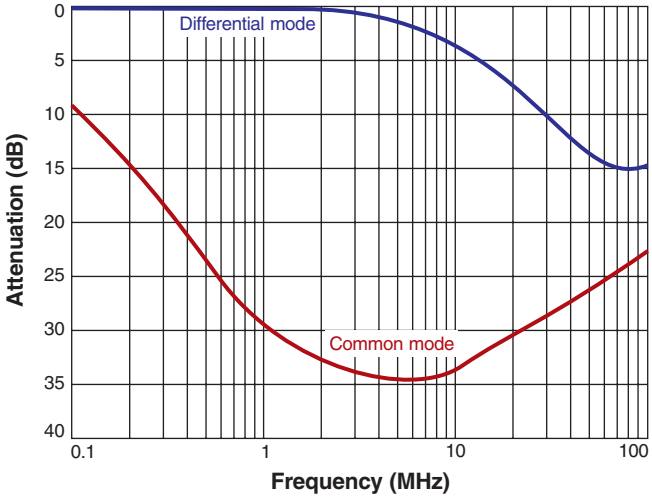
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 1.0 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

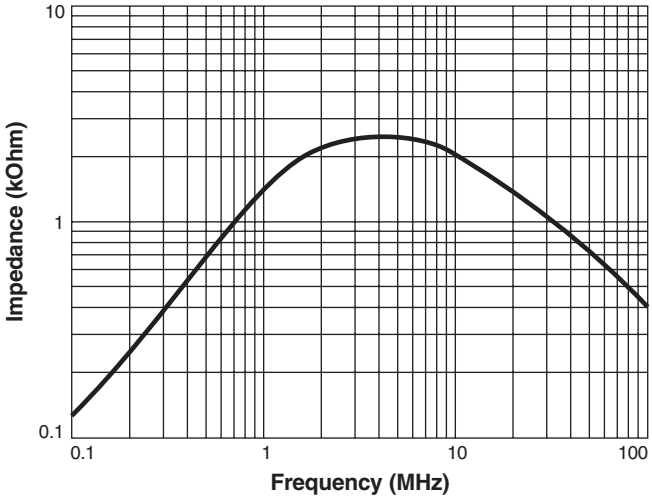
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 3.2 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 250/13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 10.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CD1479-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CD1479-AL_	4.19 @ 3.0 MHz	0.59	0.38	4.2	20.0	1000

1. When ordering, please specify **packaging** code:

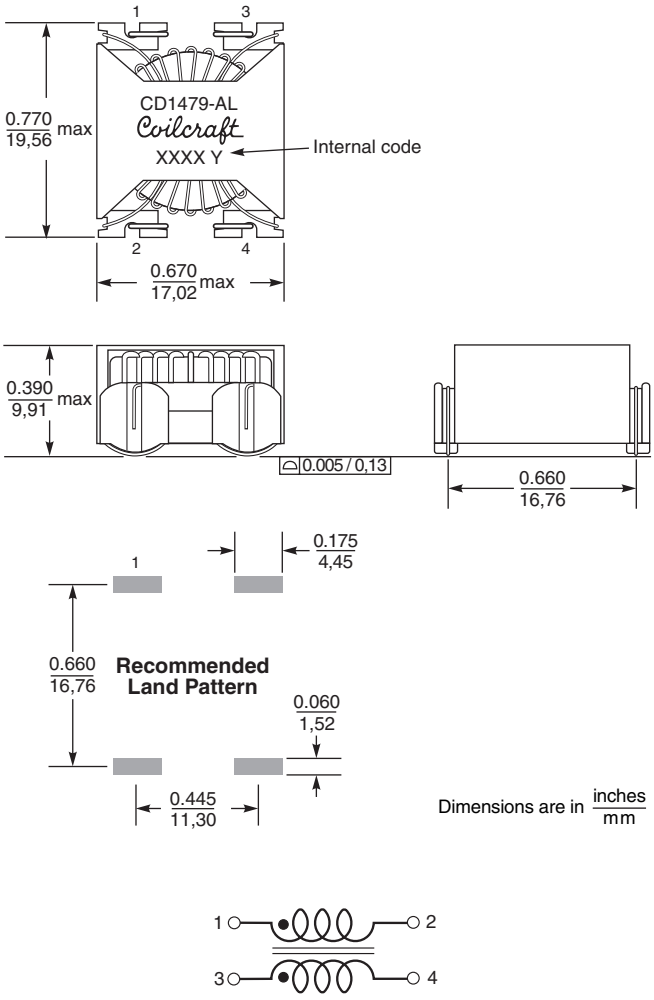
CD1479-ALD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

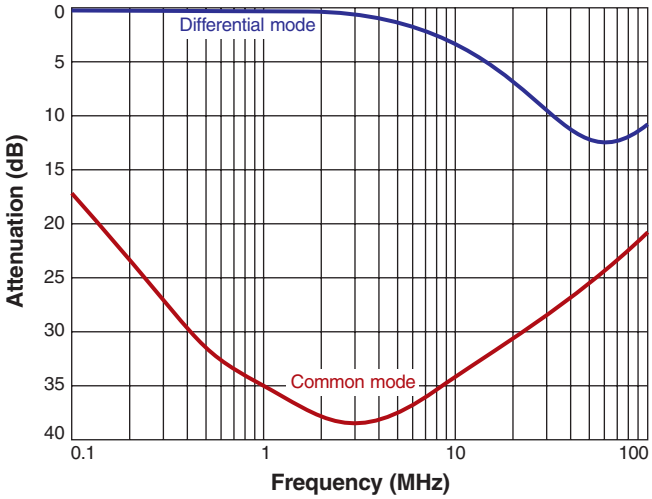
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

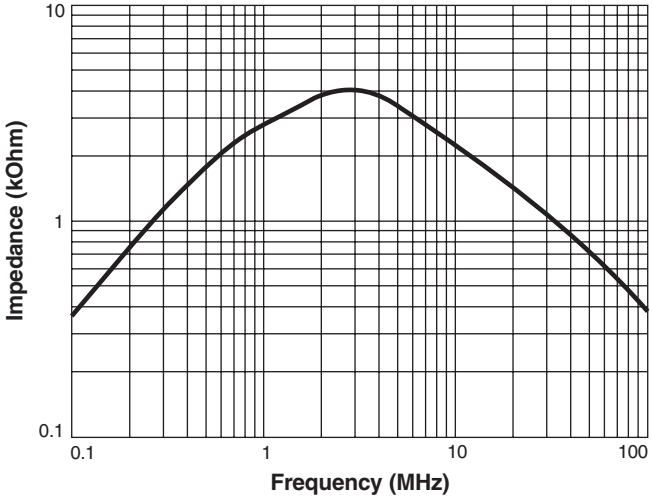
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 4.9 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 250/13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 10.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CH4659-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CH4659-AL_	4.56 @ 2.5 MHz	0.77	0.50	4.7	40.0	1000

1. When ordering, please specify **packaging** code:

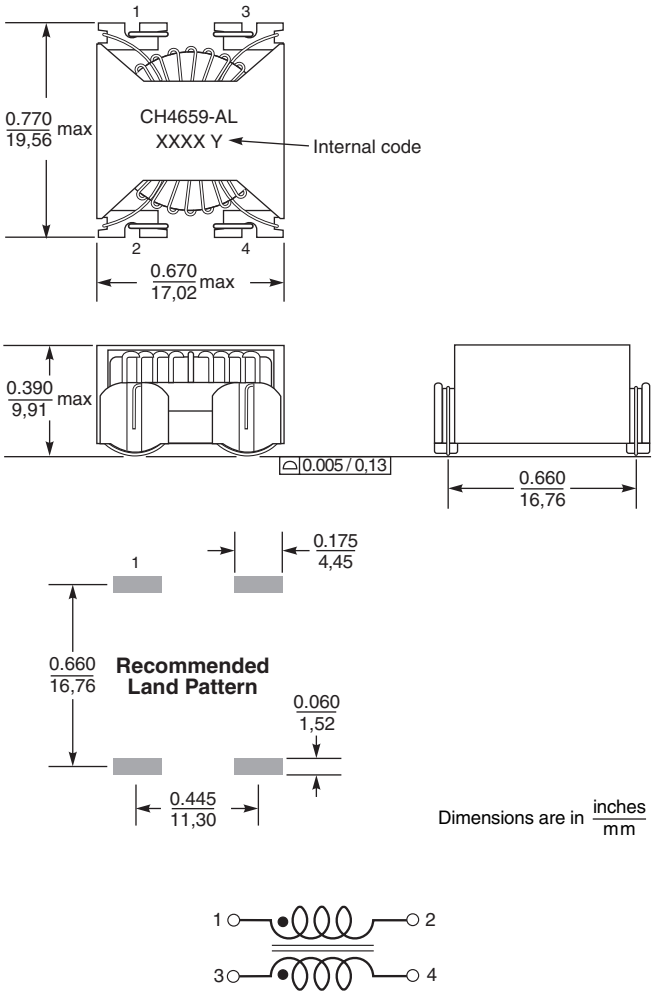
CH4659-ALD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

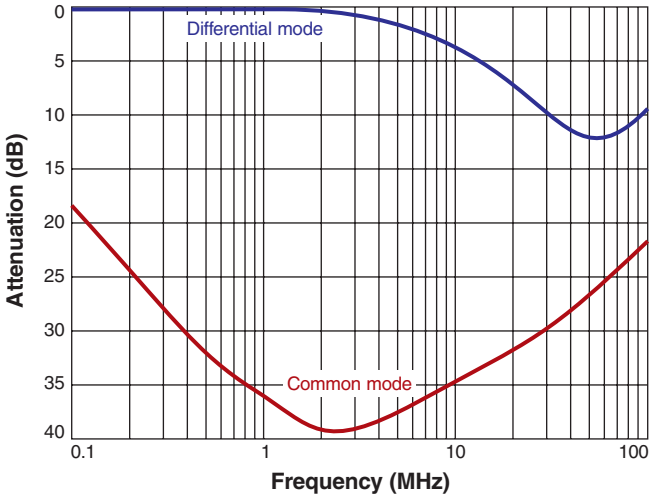
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 1.0 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

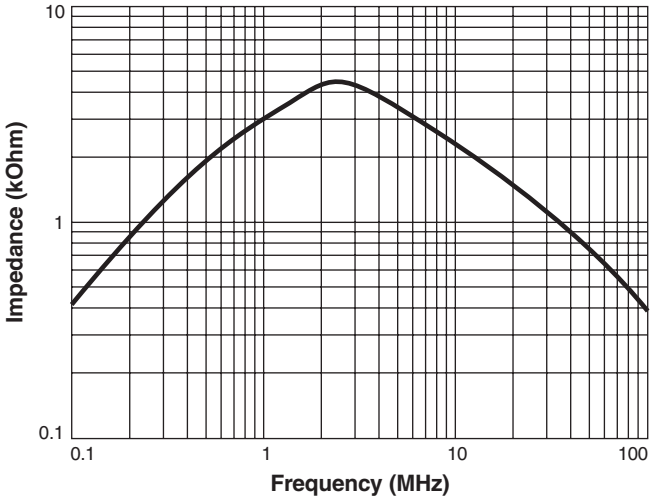
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 4.8 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 250/13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 10.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CD1480-BL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CD1480-BL_	4.53 @ 2.2 MHz	1.32	0.85	3.5	60.0	1000

1. When ordering, please specify **packaging** code:

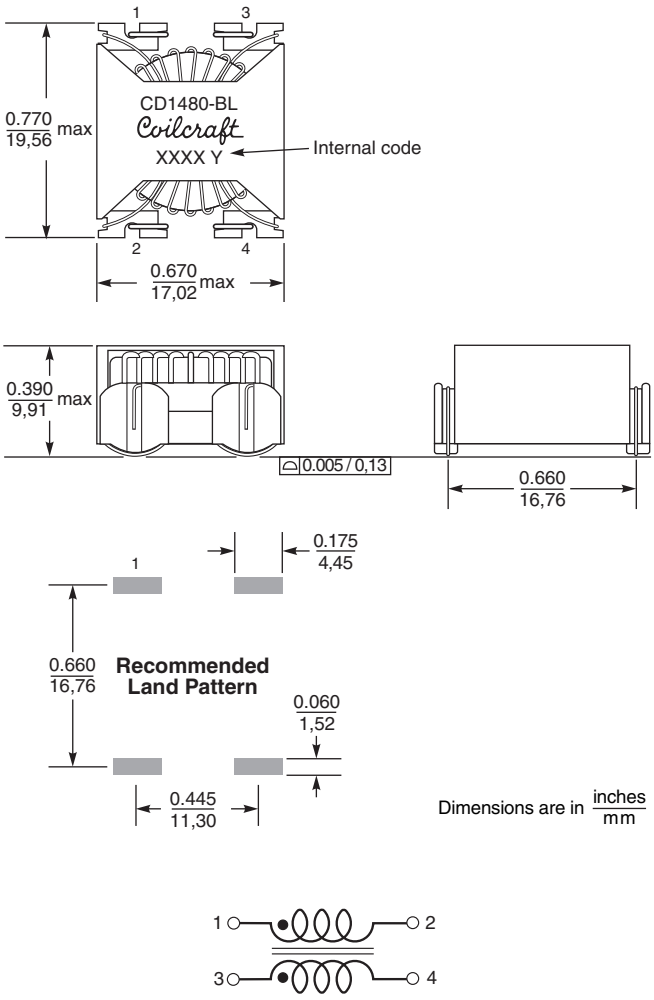
CD1480-BLD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

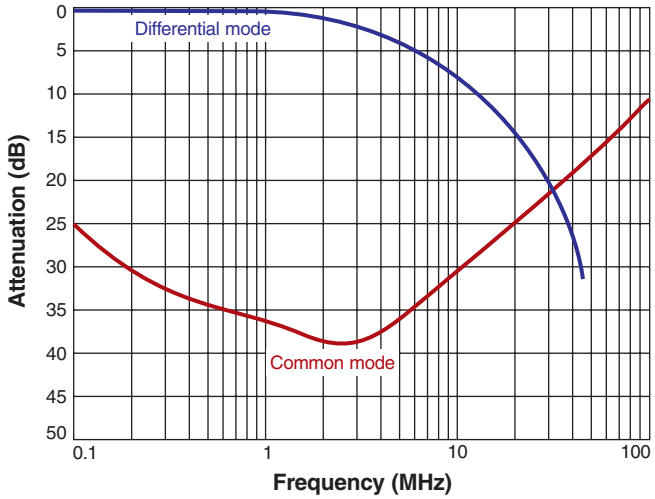
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 1 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

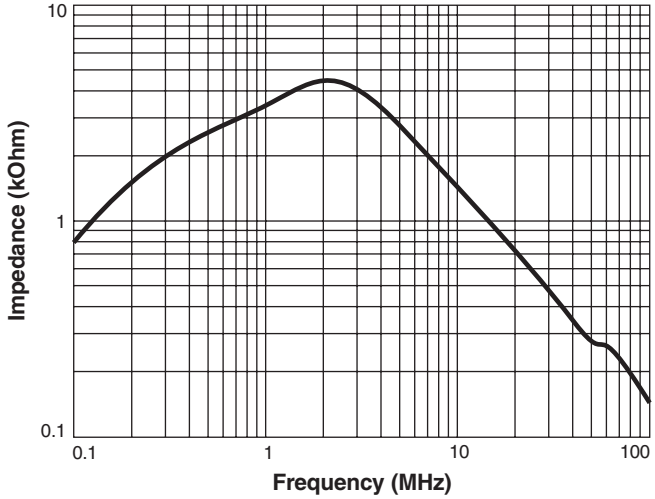
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 4.5 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 250/13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 10.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Document 1194P-11 Revised 09/09/21

Common Mode Choke – CE2439L

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CE2439L_	9.42 @ 1.1 MHz	1.47	0.96	2.5	80.0	1000

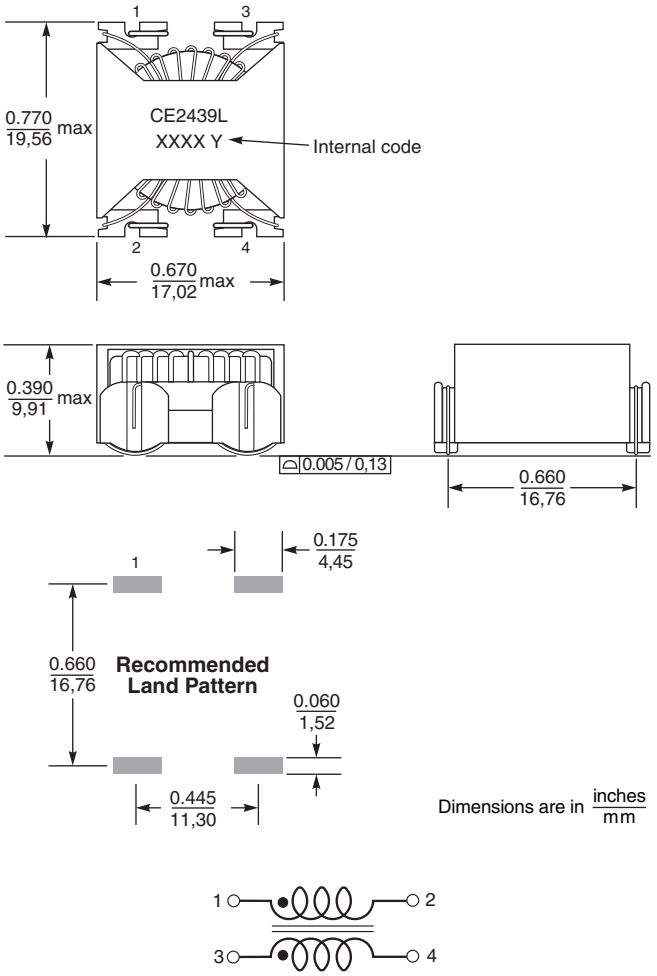
1. When ordering, please specify **packaging** code:

   CE2439LD

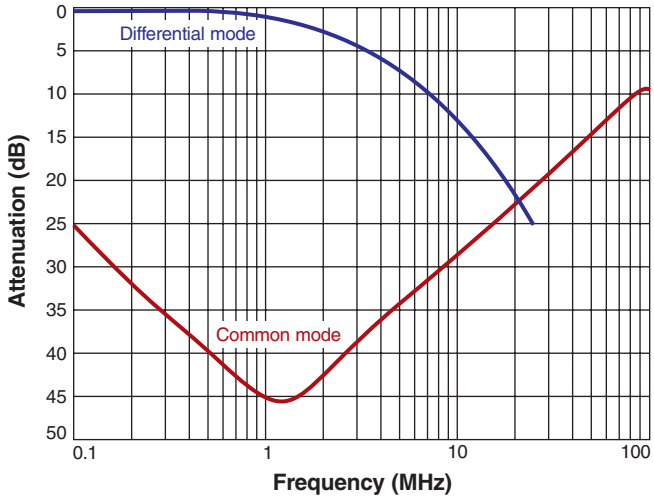
   Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

   B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.
2. Inductance shown for each winding, measured at 1 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

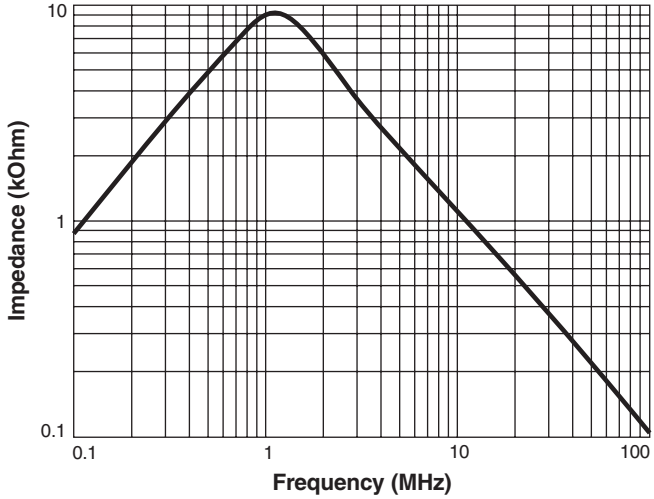
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 4.3 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 250/13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 10.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Document 1194P-12 Revised 09/09/21

Common Mode Chokes – CG3333-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CG3333-AL_	2.27 @ 2.9 MHz	0.90	0.59	3.7	50.0	1000

1. When ordering, please specify **packaging** code:

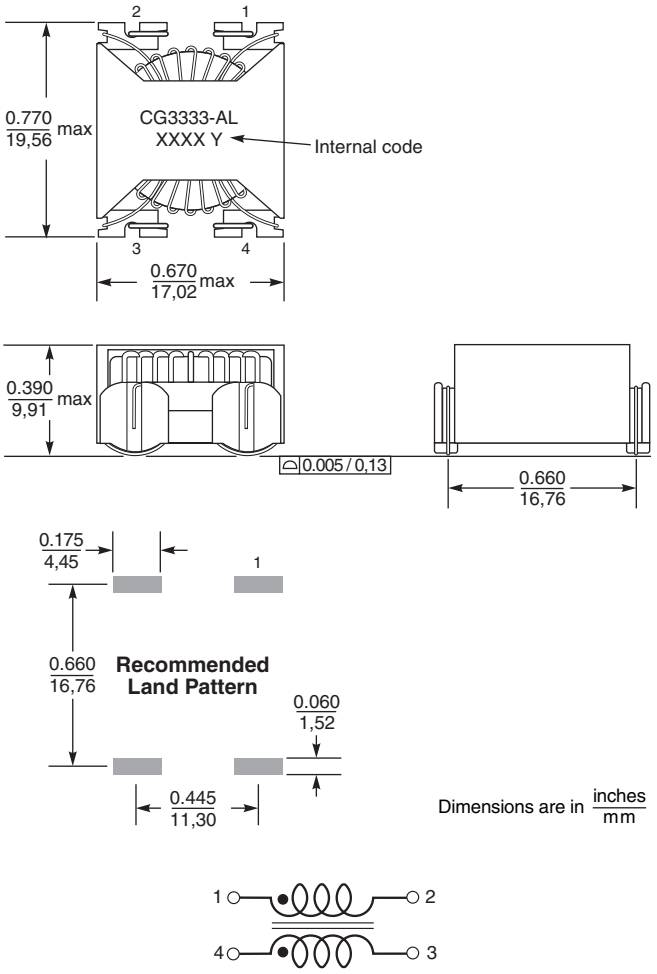
CG3333-ALD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

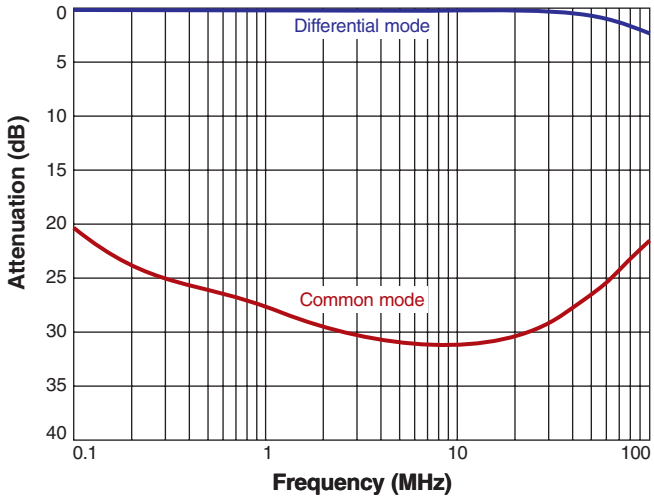
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

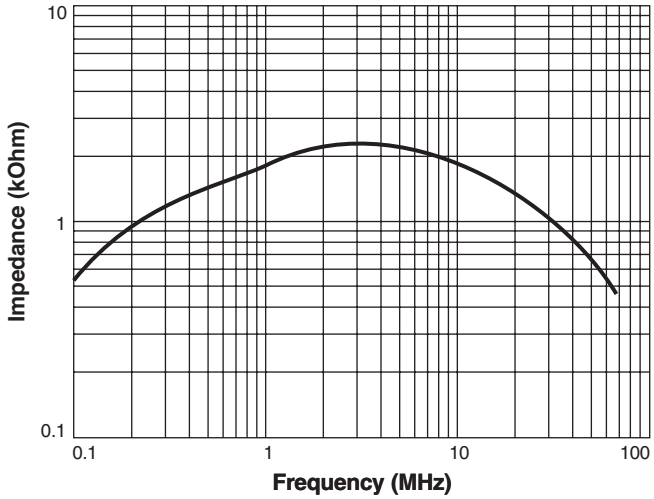
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 4.2 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 250/13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 10.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Chokes – CG3528-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CG3528-AL_	6.23 @ 0.72 MHz	3.00	1.95	3.1	42.0	1000

1. When ordering, please specify **packaging** code:

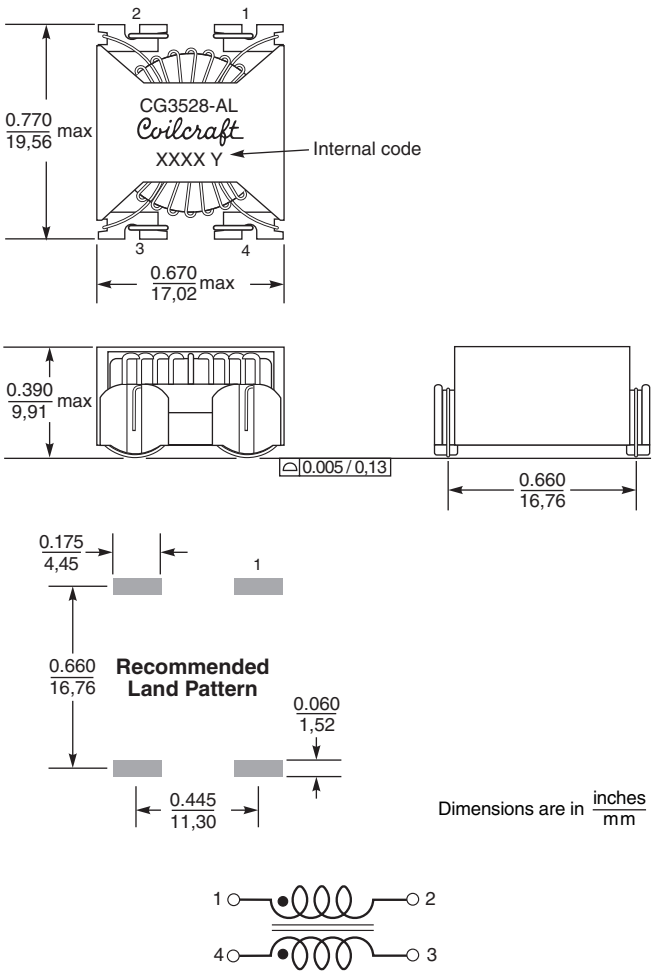
CG3528-ALD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

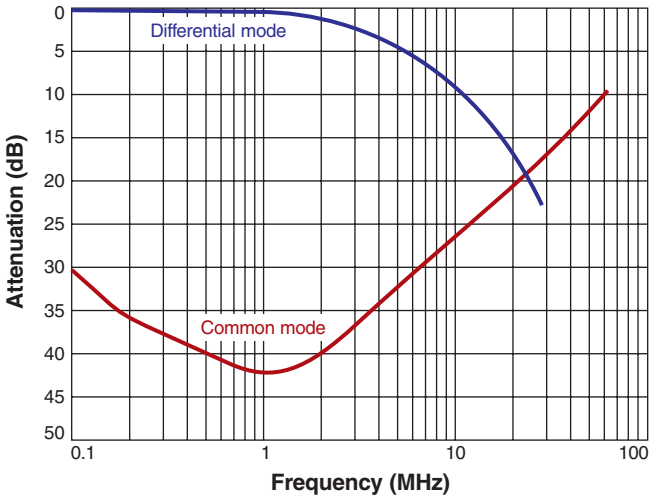
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 1.0 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

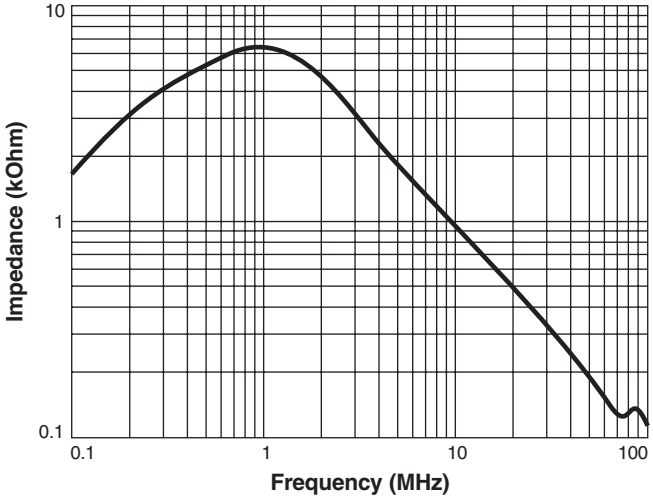
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 5.1 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 250/13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 10.1 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Document 1194P-14 Revised 09/09/21

Common Mode Choke – CE1759-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CE1759-AL_	4.82 @ 0.99 MHz	0.81	0.52	6.0	14.0	1000

1. When ordering, please specify **packaging** code:

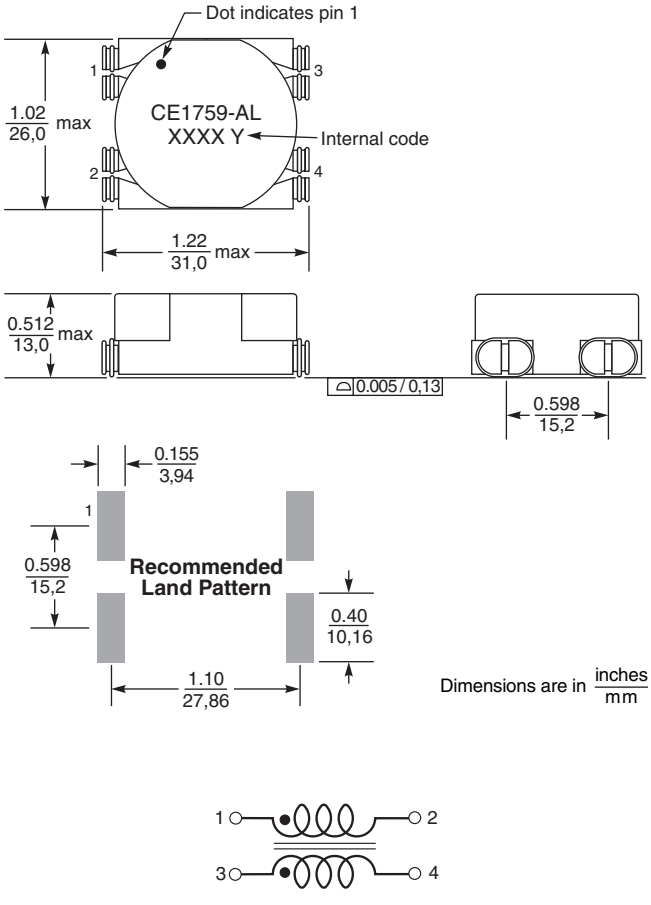
CE1759-ALD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (120 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

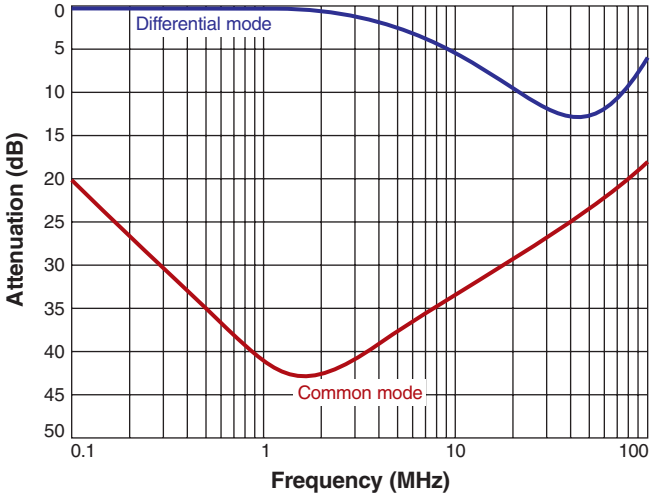
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D..

2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

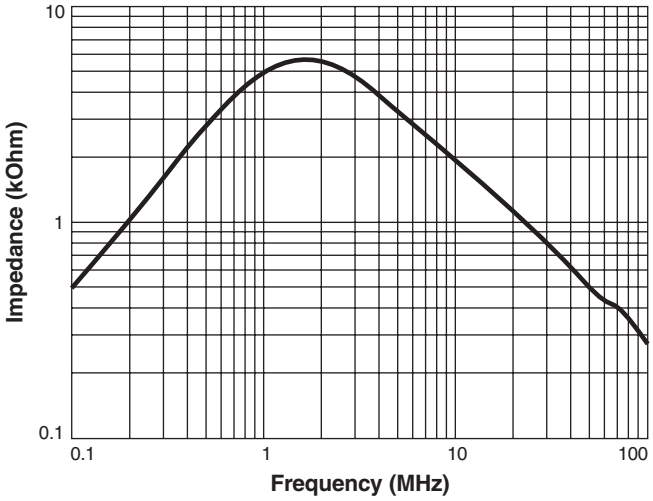
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 12.9 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 120/13″ reel Plastic tape: 44 mm wide, 0.5 mm thick, 32 mm pocket spacing, 12.4 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CG3885-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CG3885-AL_	3.11 @ 1.8 MHz	0.47	0.30	10.0	8.0	1000

1. When ordering, please specify **packaging** code:

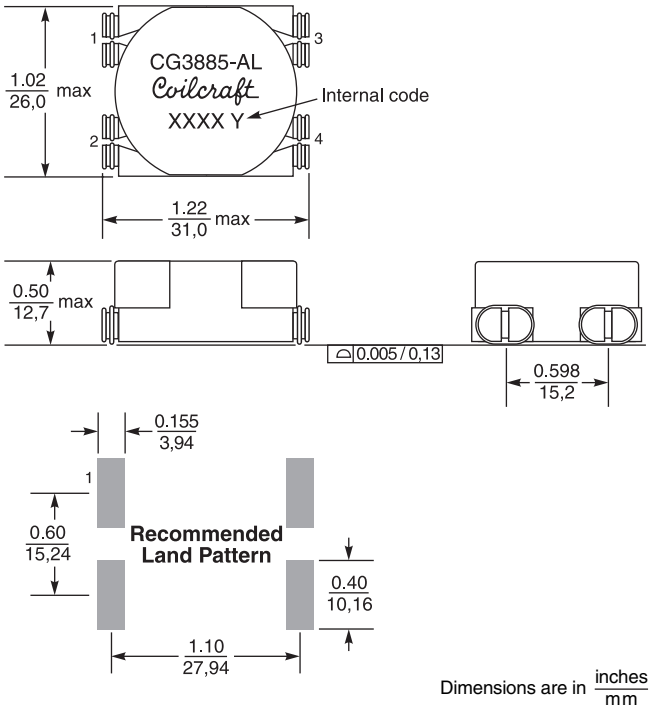
CG3885-ALD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (120 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

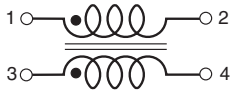
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

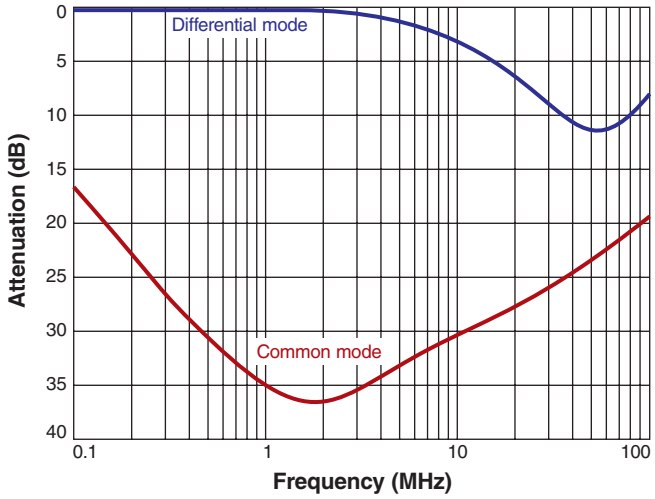
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



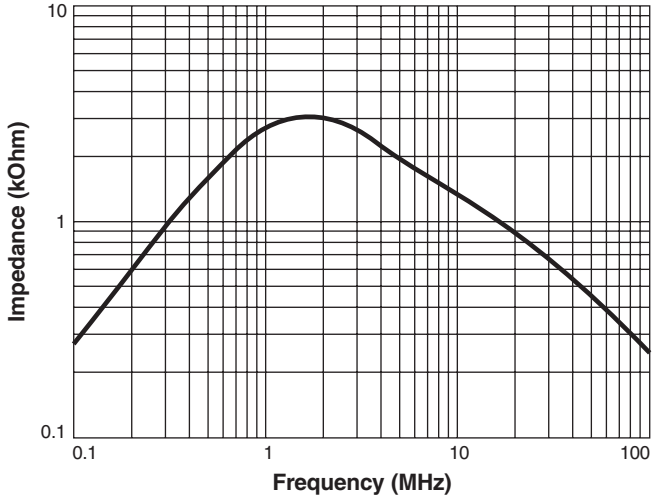
Dimensions are in inches / mm



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 15.3 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C. Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 120/13″ reel Plastic tape: 44 mm wide, 0.5 mm thick, 32 mm pocket spacing, 12.4 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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Common Mode Choke – CF2805-AL

Part number[1]	Common mode impedance max (kOhms)	Inductance (mH)[2] nom	Inductance (mH)[2] min	Irms[3] (A)	DCR max[4] (mOhms)	Isolation[5] (Vrms)
CF2805-AL_	3.64 @ 1.9 MHz	0.63	0.40	6.8	14.0	1000

1. When ordering, please specify **packaging** code:

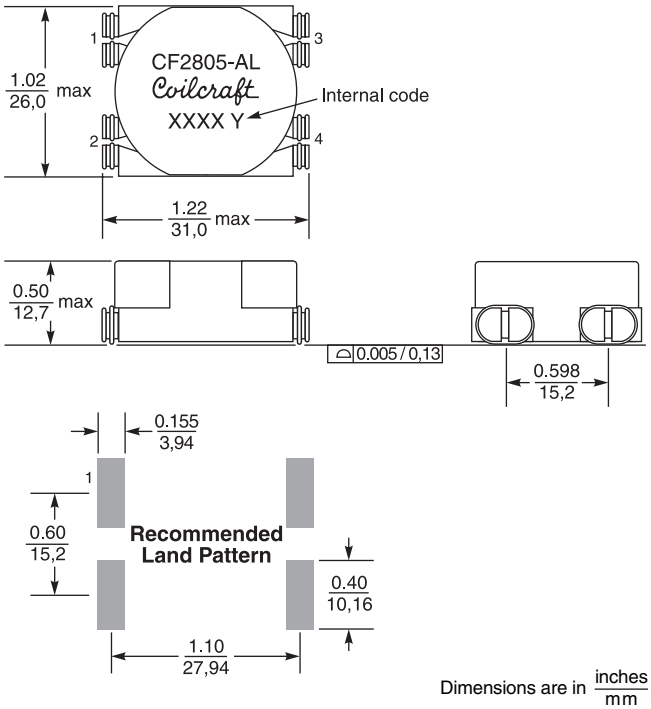
CF2805-ALD

Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (120 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).

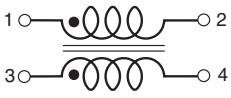
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance shown for each winding, measured at 10 kHz, 0.1 Vrms, 0 Adc on an Agilent/HP 4263B LCR meter or equivalent.
3. Current per winding that causes a 40°C rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
4. DCR is specified per winding.
5. Isolation (hipot) measured for two seconds.
6. Electrical specifications at 25°C.

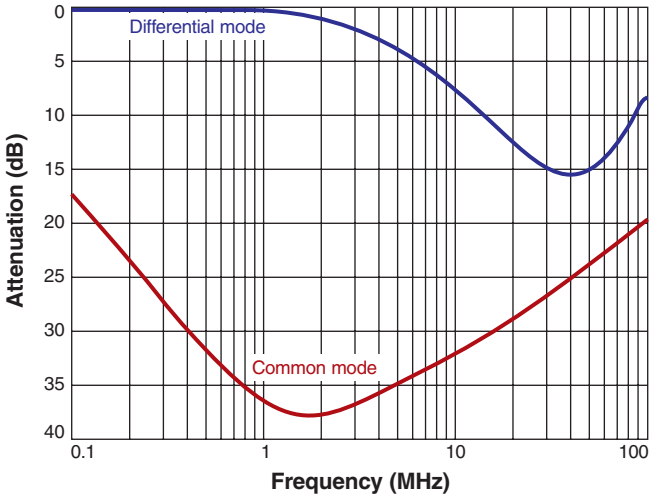
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



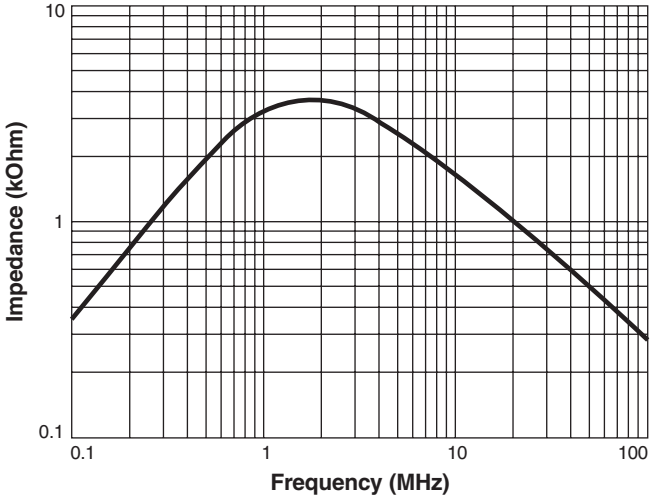
Dimensions are in inches / mm



Typical Attenuation



Typical Impedance versus Frequency



Core material Ferrite
Terminations RoHS compliant tin-silver-copper over copper
Weight 14.6 g
Ambient temperature –40°C to +85°C with Irms current
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging 120/13″ reel Plastic tape: 44 mm wide, 0.5 mm thick, 32 mm pocket spacing, 12.4 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

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