



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



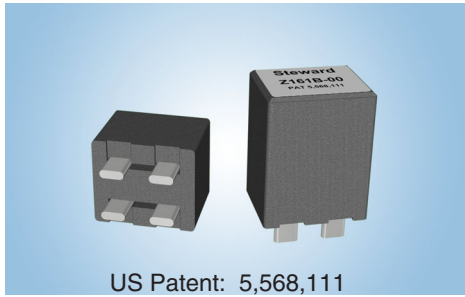
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US Patent: 5,568,111

Ultra High Current Ferrite Common Mode Chokes for AC and DC Power Supplies

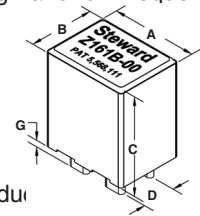
- Up to 55 Amps Continuous Operating Current
- Effective for Low and High Frequency Applications

Features:

- Designed to be UL 1950 compliant for creepage up to 250 volts
- Very high current continuous operation capability
- Small footprint
- Low clearance height
- Low cost
- Parts available in broadband and low frequency materials
- Lighter, smaller and less susceptible to vibration than older wire wound chokes

Applications:

- EMI suppression intended for use prior to a fusible link in conducted and radiated EMI applications in high and low-frequency power supplies
- Excellent in telecommunications, automotive and appliance applications

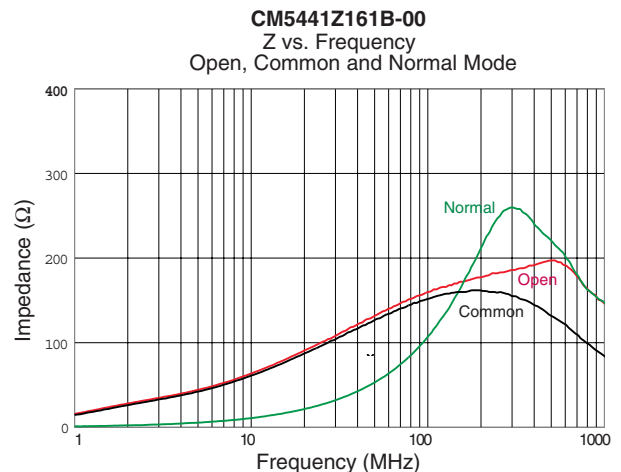
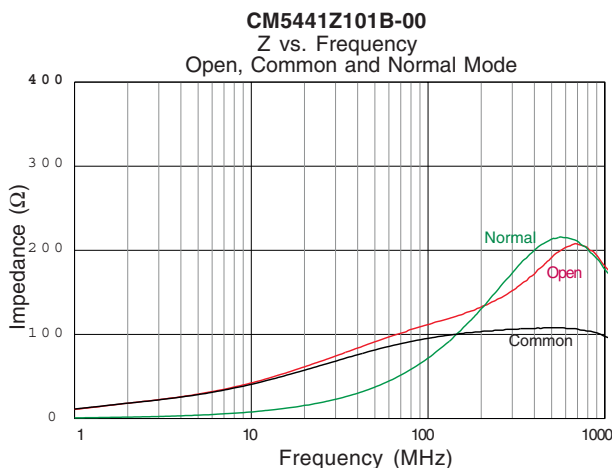


Normal Mode Impedance is the total impedance to the differential circuit (both out and back).

Open Circuit Impedance is the impedance measured across a single leg of the common mode choke.

Common Mode Impedance is the impedance of EMI noise conducted in the same direction along two condu

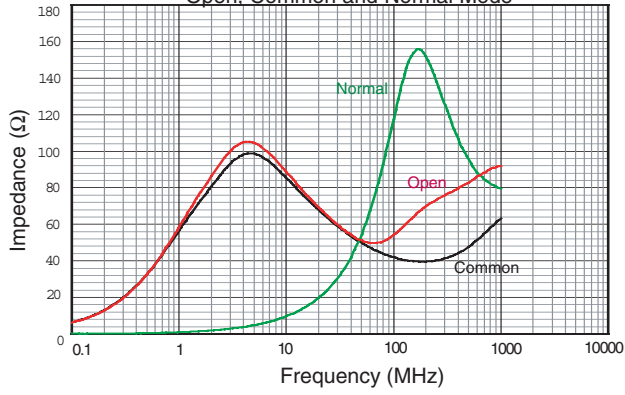
PART NUMBER	A mm (inches)	B mm (inches)	C mm (inches)	D mm (inches)	G mm (inches)	IMPEDANCE (Z) TYPICAL OHMS @			DCR MAX (Ω)	RATED I MAX mA @25° C TEMP RISE	RATED I MAX mA @40° C TEMP RISE
						100MHz	500MHz	1GHz			
CM5441Z161B-00	13.72 + 0.25 (0.540 + 0.010)	10.41 + 0.15 (0.410 + 0.006)	15.24 + 0.25 (0.600 + 0.010)	5.21 + 0.13 (0.205 + 0.005)	3.18 + 0.33 (0.125 + 0.013)	160	200	143	0.0003	30,000	55,000
CM5441Z101B-00	13.72 + 0.25 (0.540 + 0.010)	10.41 + 0.15 (0.410 + 0.006)	10.52 + 0.25 (0.414 + 0.010)	5.21 + 0.13 (0.205 + 0.005)	3.18 + 0.33 (0.125 + 0.013)	100	190	180	0.0003	30,000	55,000
CM5441Z990B-00	13.72 + 0.25 (0.540 + 0.010)	10.41 + 0.15 (0.410 + 0.006)	15.24 + 0.25 (0.600 + 0.010)	5.21 + 0.13 (0.205 + 0.005)	3.18 + 0.33 (0.125 + 0.013)	99 @ 4MHz	-	-	0.0003	30,000	55,000



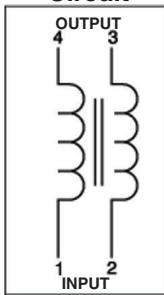
CM5441Z990B-00

Z vs. Frequency

Open, Common and Normal Mode



Equivalent Circuit



CM5441Z_ _ _ B-00
Recommended Hole Pattern

