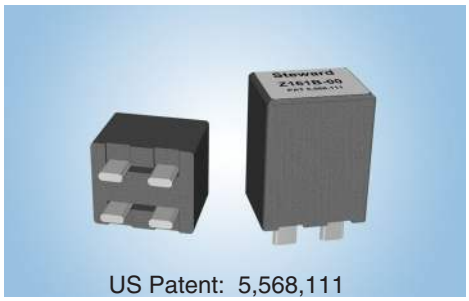


US Patent: 5,568,111

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

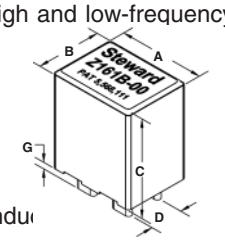
- **Up to 55 Amps Contiuous Operating Current**
- **Effective for Low and High Frequency Applications**

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:

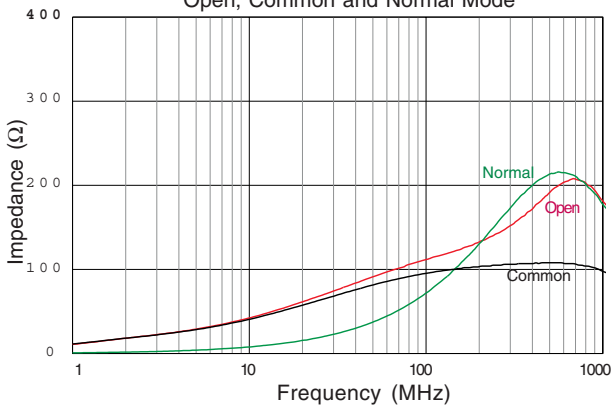
•EMI suppression intended for use prior to a fusable link in conducted and radiated EMI applications in high and low-frequency power supplies •Excellent in telecommunications, automotive and appliance applications



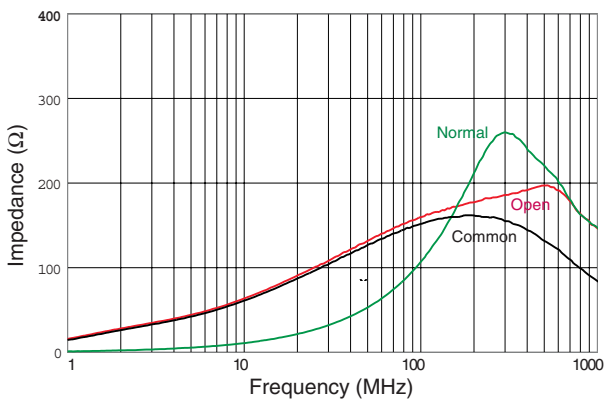
Normal Mode Impedance is the total impedance to the differential circuit (both out and back).
Open Circuit Impedance is the impedance measured across a single leg of the common mode choke.
Common Mode Impedance is the impedance of EMI noise conducted in the same direction along two condu

PART NUMBER	A mm (inches)	B mm (inches)	C mm (inches)	D mm (inches)	G mm (inches)	IMPEDANCE (Z) TYPICAL OHMS @ 100MHz	500MHz	1GHz	DCR MAX (Ω)	RATED I MAX mA @25° C TEMP RISE	RATED I MAX mA @40° C TEMP RISE
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

CM5441Z101B-00
Z vs. Frequency
Open, Common and Normal Mode



CM5441Z161B-00
Z vs. Frequency
Open, Common and Normal Mode



Steward
www.steward.com

North America - U.S.A. • Phone: +1 423 308 1690 • Fax +1 423 308 1622 • e-mail: americas@steward.com
North America - Mexico • Phone: +52 662 260-4832 • Fax: +52 662 260-5074 • e-mail: mexico@steward.com
Europe - Scotland, UK • Phone: +44 (0)1506 414200 • Fax +44 (0)1506 410694 • e-mail: europe@steward.com
Asia / Pacific - Singapore • Phone: +65 6337 9667 • Fax +65 6337 9686 • e-mail: asia@steward.com

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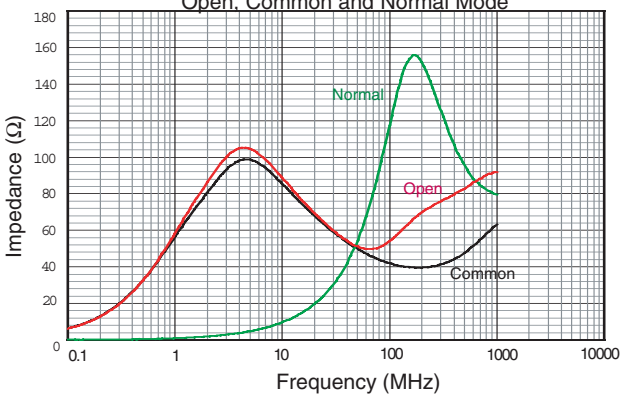
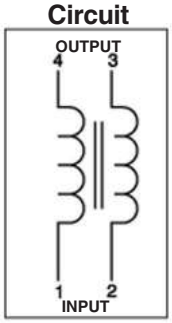
CM5441Z990B-00
Z vs. Frequency
Open, Common and Normal Mode



Equivalent Circuit



CM5441Z_ _ _B-00
Recommended Hole Pattern