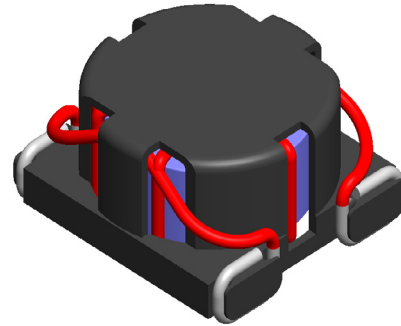


WCM511 Series

Common Mode Chokes

Product Description

WCM's new 511 series common mode choke was released for noise sensitive applications requiring a very high level of noise rejection. With peak impedance values for 10 kOhms 90 kOhms, these chokes will ensure that your power supply has exceptionally low noise interference. The 511 series was designed in a surface mount package to ensure ease of installation. Using nanocrystalline magnetic cores, the WCM511 series common mode chokes have stable properties over a wide temperature range.

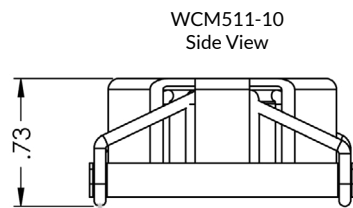
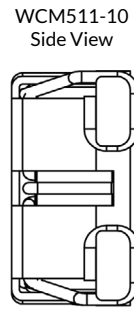
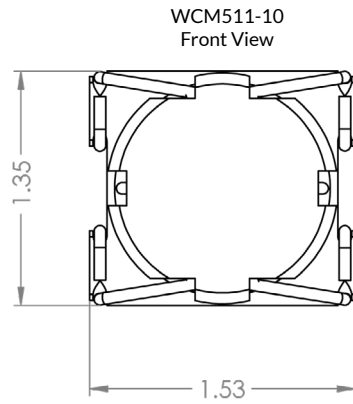


Engineering Data

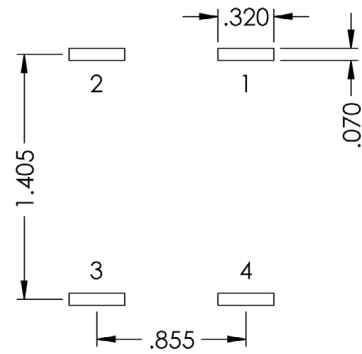
Product Code	L(min at 10KHz) mH	L(min at 100KHz) mH	Leakage L (uH)	DCR (mOhms)	Hipot (VAC)	Max Current for 40 deg rise (A)	Max Current for 60 deg rise (A)	Max Current for 80 deg rise (A)
WCM511-10	3.5	1.2	3.5	2.9	1500	18.0	22.0	26.0
WCM511-20	6.2	2.2	6.7	6.2	1500	12.0	14.0	16.0
WCM511-30	11.1	3.8	11.1	12.8	1500	8.0	9.5	10.5
WCM511-40	21.0	7.3	18.3	27.6	1500	5.2	6.5	7.3
WCM511-50	34.0	11.8	32.1	53.4	1500	3.6	4.3	5.0
WCM511-60	56.2	19.4	53.0	107.5	1500	2.5	3.0	3.4
WCM511-70	87.9	30.4	82.6	206.8	1500	1.8	2.1	2.3
WCM511-80	131.3	45.4	138.7	398.4	1500	1.2	1.4	1.6



Schematics
WCM511-10



WCM511-10
PCB LAYOUT



Dimensions:

Inches
mm

Tolerance:

Inches

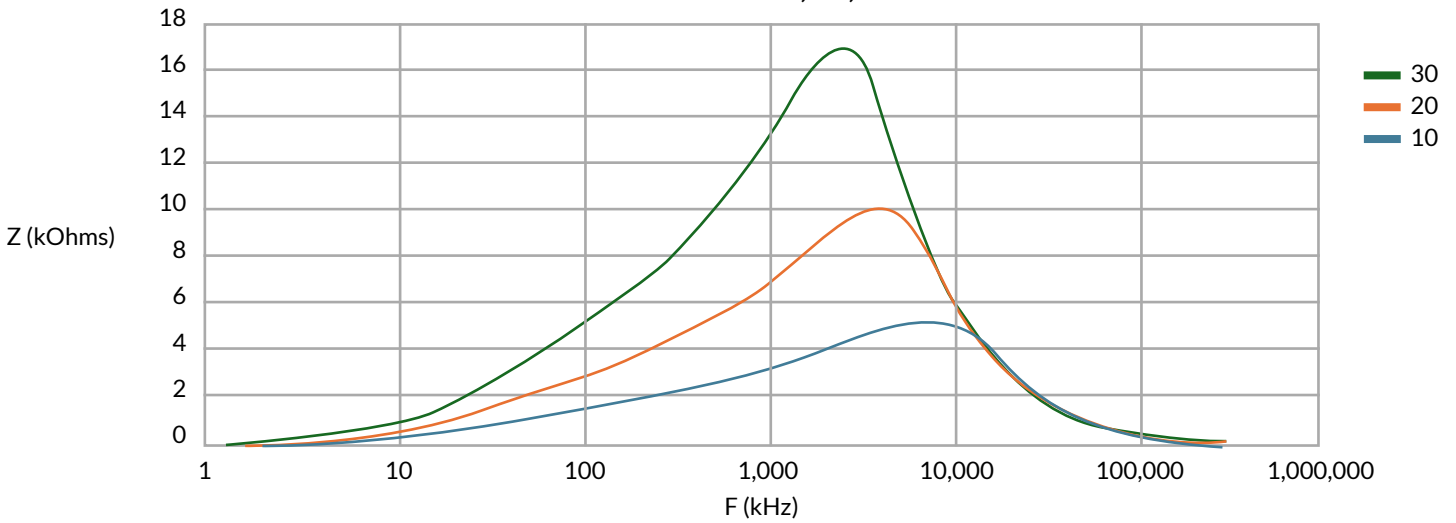
$x.xx \pm 0.020"$
 $x.xxx \pm 0.005"$

Millimeters

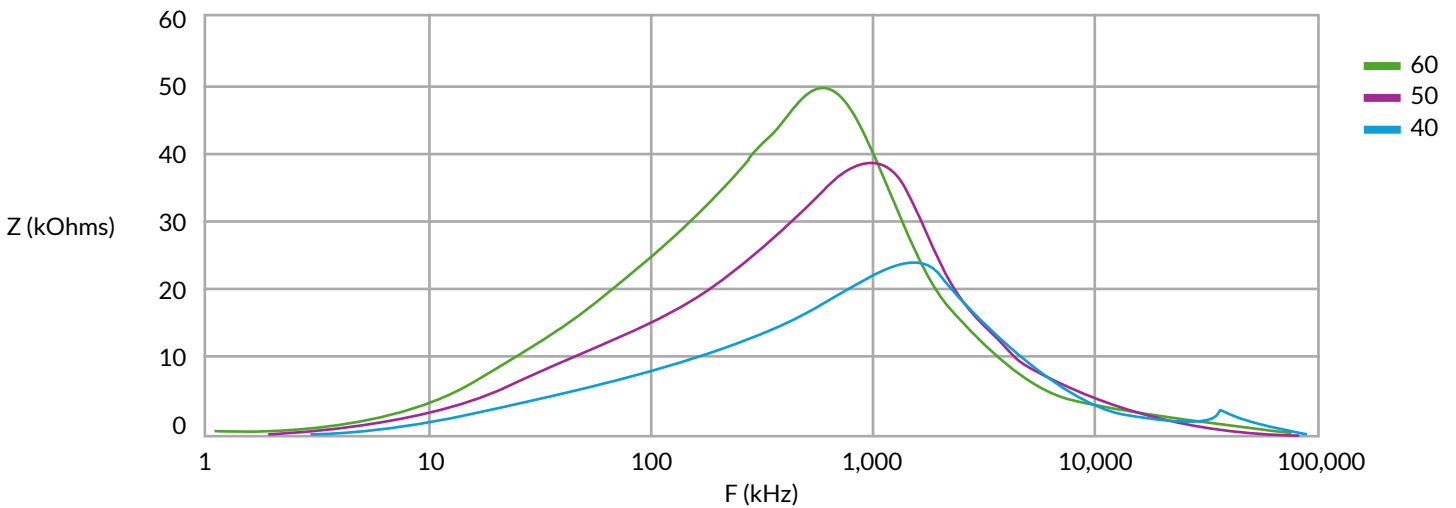
$x.x \pm 0.25\text{mm}$
 $x.xx \pm 0.13\text{mm}$

Graphs
WCM-511 Series
Impedance VS Frequency

WCM511-10, 20, 30



WCM511-40, 50, 60



WCM511-70, 80

