



410 series

switch mode transformers

PRODUCT DESCRIPTION

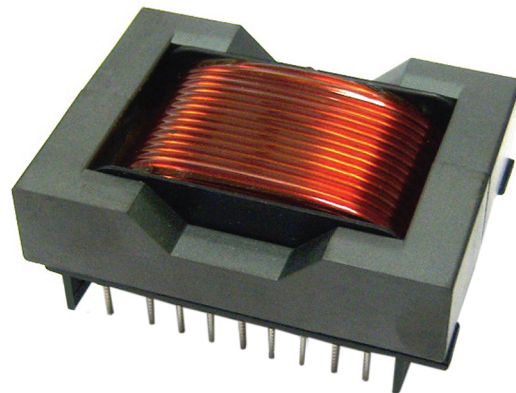
West Coast Magnetics' new WCM410 series raises the bar for medium power switch mode transformers. This new series was designed in order to achieve 50% more power density than other geometries currently available on the market, without sacrificing isolation. The core and bobbin can handle up to a 7000 Volt hypot with 15 mm of creepage and clearance. With 2.5 kW of RMS power available in a package less than 25.4 mm in height, WCM410 sets a new standard for power density.

OUTPUT POWER VS FREQUENCY OF OPERATION

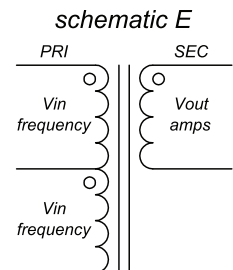
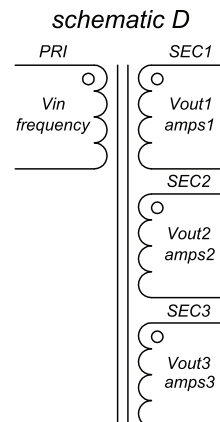
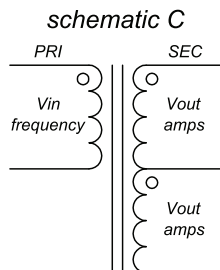
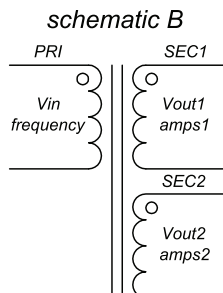
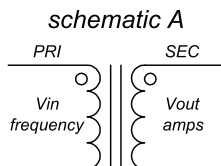
Frequency	10 kHz	25 kHz	50 kHz	100 kHz	200 kHz	500 kHz	1 MHz
Power Rating	650W	1.00 kW	1.30 kW	1.70 kW	1.90 kW	2.25 kW	2.5 kW

9001:2008
certified ISO

13485:2003
certified ISO



*This custom power transformer will be designed precisely to your requirements.
Choose a schematic below and click here to contact us with your specifications.*





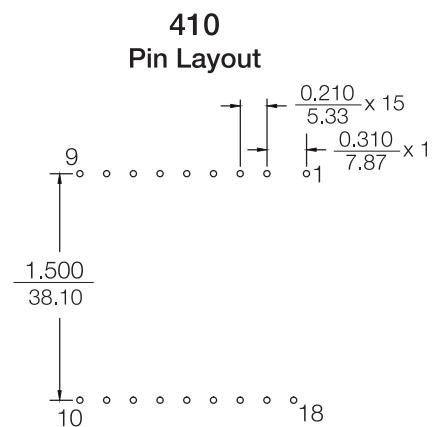
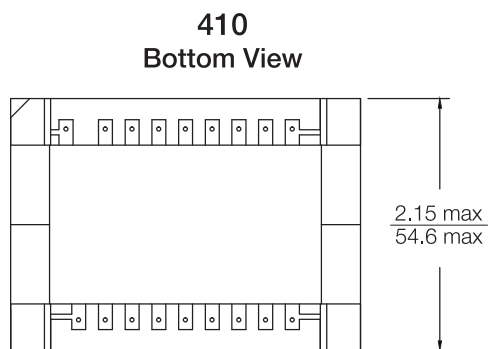
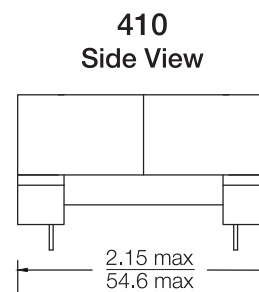
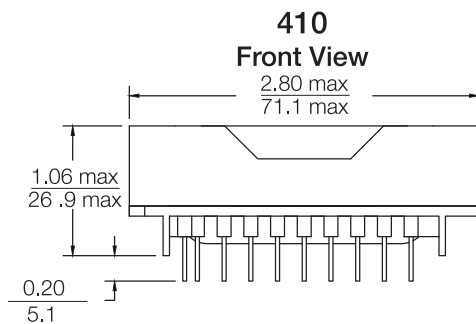
west coast
magnetics

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Dimensions: $\frac{\text{inches}}{\text{mm}}$

Size Code	Al (ungapped, nH/T^2)	Ae Core Area (mm^2)	Le magnetic path length (mm)	Ve core volume (mm^3)	Wa bobbin winding area (mm^2)	WaAc Core area winding area (mm^4)	Bobbin window width (mm)	Bobbin window height (mm)	mean length per turn (mm)
wcm410	4,400	245	129	31,600	202	49,392	31.8	6.4	108



Tolerance:

Inches

x.xx ± 0.010 "

x.xxx ± 0.005 "

Millimeters

x.x ± 0.25 mm

x.xx ± 0.13 mm



www.wcmagnetics.com 1.800.628.1123