WCM REVISIONS			
REV	CHANGES	BY	DATE

SCHEMATIC

75 uH

SIDE VIEW 2

6.30
4.75
12.0 min
1.75 x4
6.2 ± 0.1
6.46"
7.20"

THERMAL PAD BETWEEN CORE AND BASE PLATE INTERFACE

0.256" DIA THROUGH HOLE X4

SIDE VIEW 1

2.1 ± 0.1
4.15
0.256" DIA THROUGH HOLE X4
6.2 ± 0.1
6.00 max.
1.90"
2.46"

THERMAL PAD BETWEEN CORE AND BASE PLATE INTERFACE

6.30
4.75
4.15
5.8 ± 0.1
0.6 ± 0.1

A, Core Thermistor
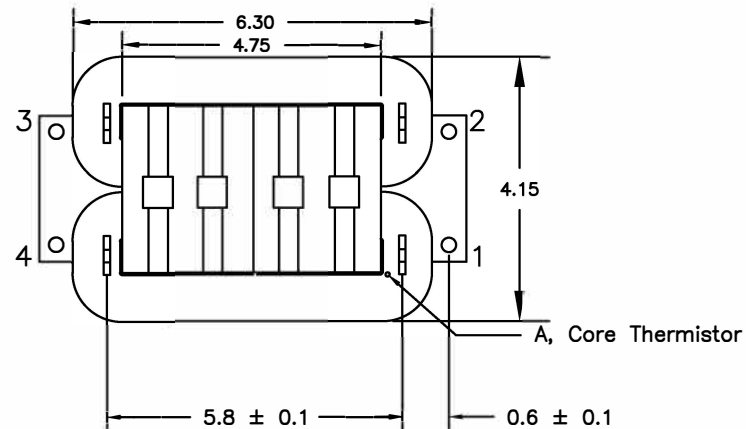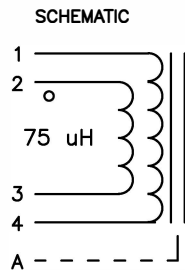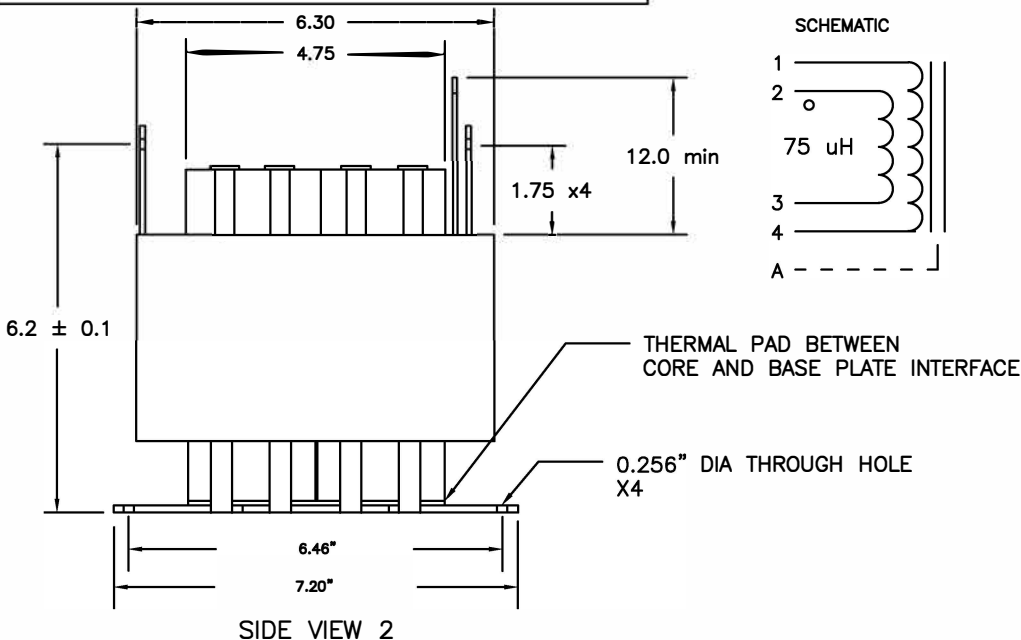
ELECTRICAL SPECIFICATIONS
Inductance = 75 uH +/- 7% at 10 kHz, unloaded
L min = 70 uH at 217 amps peak
L min = 65 uH at 280 amps peak
I dc = 167 amps
I ripple = 100 App at 20 kHz
DCR = 1.1 milliohm nominal at 25 C

OTHER SPECIFICATIONS
B = 3360 gauss at 200 App, 10 kHz
Core losses = 132 watts
DC copper losses = 32 Watts
AC copper losses = 32 watts (est.)
Core area = 18.6 cm2
Core material = Metglas, amorphous metal.
Base plate material = Aluminum, smooth surface
Thermal pad thermal conductivity = 1.20 W/m*K
Termination: tin plated copper tab, 0.125" thick, 0.200" through hole
Thermistor:
    Manufacturer: Amertherm
    Mfr PN: 103395-334
    QTY: 1 EA
    Lead A, Core Thermistor
DIMENSIONS (inches)
WEIGHT   17 lbs
All materials min 150 C rated.
ROHS compliant.
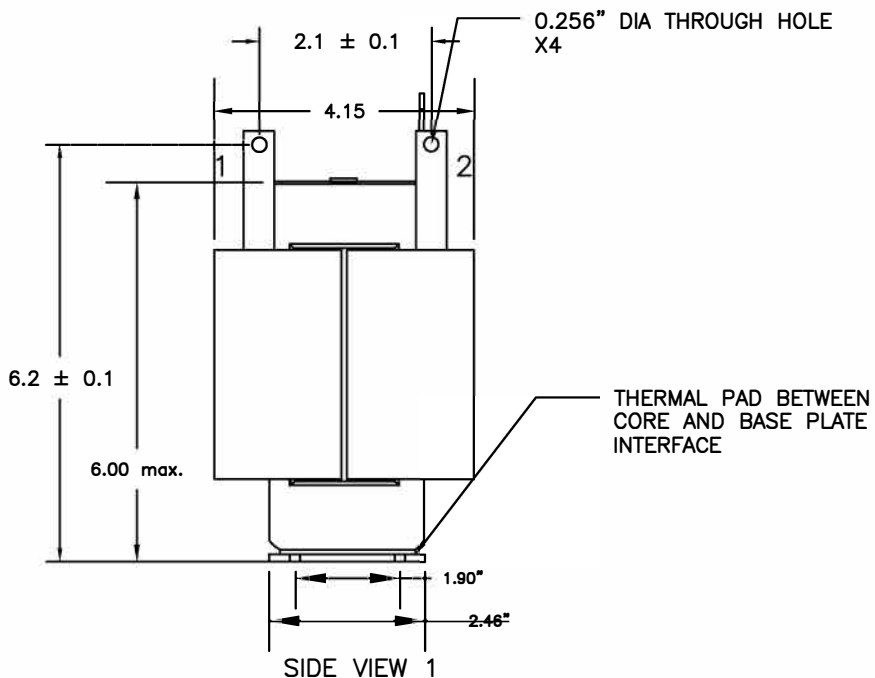
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES PER ANSI Y14.5M

FRAC	DECIMALS	ANGLES	SURF.
±	.X ± 1.0 mm		
	.X ± 0.5 mm		
	.XX ± 0.05 mm		
	.XXX ± 0.005 mm		

DRAWING NOT TO SCALE UNLESS NOTED.

WEST COAST MAGNETICS
4848 FRONTIER WAY, STE. 100
STOCKTON, CA 95215
WWW.WCMAGNETICS.COM
800-628-1123

CUSTOMER	DESCRIPTION	
WCM	INDUCTOR	
PART NUMBER		REV.
WCMPIN001		—
RELEASED BY	DATE	PAGE
WL/CC	1/9/15	1/1

WCM WEST COAST MAGNETICS