

Printed Circuit Mount

CL2 Series

Class 2 Transformers

Inherently or Non-Inherently Limited

Signal's CL2 transformers are available in printed circuit and chassis mount versions. They are supplied as inherently or non-inherently limited units that are UL 1585 / UL 5085 recognized.

General Specifications

- Power - 2.5 VA to 50 VA
- Dielectric Strength - 4000 Vrms Hipot
- Primaries - Dual primaries, 115/230 V, 50/60 Hz,
- Secondaries - Single secondary
- Class 2 Rating - inherently or non-inherently limited (secondary fuse requirements below)
- Electrostatic Shield - Not necessary, split bobbin construction
- Insulation System - Class F insulation, 155° C
- Flammability Rating - Bobbin and shroud material rated UL 94V0

Agency Certifications

- UL recognized to UL 1585 / UL 5085-3 Class 2, File # E116583
- CSA certified to C22.2 #66.1



Part Number Selection

Part Number	Secondary RMS Rating	Secondary Fuse Required
CL2-20-12	12 V @ 1.66 A	N/A*
CL2-20-24	24 V @ 0.833 A	N/A*
CL2-30-12	12 V @ 2.50 A	3.0 A**
CL2-30-24	24 V @ 1.25 A	1.75 A**
CL2-50-12	12 V @ 4.20 A	5.0 A**
CL2-50-24	24 V @ 2.10 A	2.5 A**

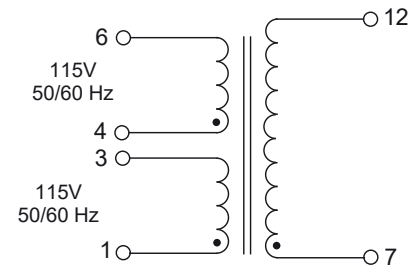
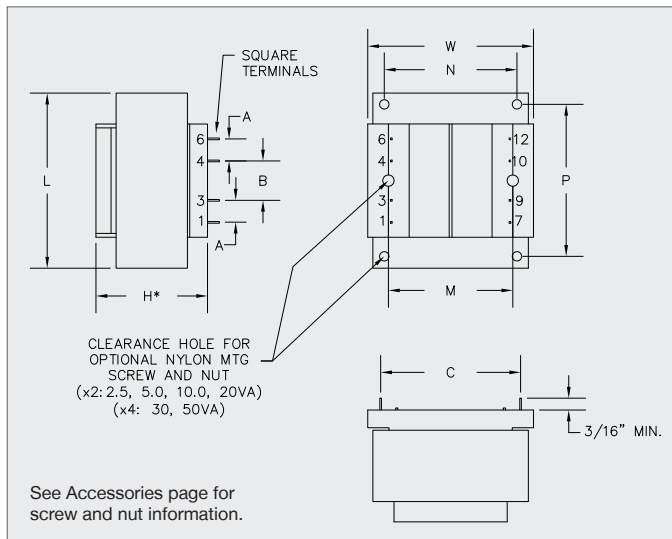
Part Number	Secondary RMS Rating	Secondary Fuse Required
CL2-2.5R-12	12 V @ 0.20 A	N/A*
CL2-2.5R-24	24 V @ 0.10 A	N/A*
CL2-5.0R-12	12 V @ 0.42 A	N/A*
CL2-5.0R-24	24 V @ 0.20 A	N/A*
CL2-10R-12	12 V @ 0.83 A	N/A*
CL2-10R-24	24 V @ 0.42 A	N/A*

* Inherently limited ** Non-inherently limited
Maximum secondary fuse value specified.

Mechanical Specifications

VA	Dimensions						Sq. Pin Dimension	Mounting Dimensions			Mounting Screw		Weight
	L	W	H*	A	B	C		Inches (mm)			Size	Qty	
Size	Inches (mm)							M	N	P			lbs (kg)
2.5	1.62 (41.3)	1.43 (36.5)	1.12 (28.6)	.20 (5.1)	.25 (6.4)	1.00 (25.4)	0.025 (0.64)	1.06 (26.9)	-	-	#4	2	0.25 (0.11)
5.0	1.62 (41.3)	1.43 (36.5)	1.37 (34.9)	.20 (5.1)	.40 (10.2)	1.00 (25.4)	0.025 (0.64)	1.06 (26.9)	-	-	#4	2	0.37 (0.17)
10.0	1.87 (47.6)	1.56 (39.7)	1.37 (34.9)	.20 (5.1)	.40 (10.2)	1.14 (29.0)	0.036 (0.91)	1.25 (31.8)	-	-	#4	2	0.53 (0.24)
20.0	2.25 (57.2)	1.87 (47.6)	1.62 (41.3)	.40 (10.2)	.40 (10.2)	1.46 (37.1)	0.036 (0.91)	1.50 (38.1)	-	-	#4	2	0.90 (0.41)
30.0	2.62 (66.7)	2.18 (55.5)	1.56 (39.7)	.55 (14.0)	.27 (7.0)	1.68 (42.7)	0.045 (1.02)	-	1.75 (44.5)	2.18 (55.5)	#6	4	1.15 (0.52)
50.0	3.00 (76.2)	2.50 (63.5)	1.83 (46.5)	.60 (15.2)	.30 (7.6)	1.90 (48.3)	0.045 (1.02)	-	2.00 (50.8)	2.50 (63.5)	#6	4	1.70 (0.77)

* Dimension H represents the total distance from the seating plane to the uppermost surface, stand offs and/or risers inclusive.



• Indicates like polarity

Note:

Primaries are designed to be used simultaneously. That is, they must be used either series or parallel connected (as one winding).



Custom versions available upon request.



128 Atlantic Avenue, Lynbrook, NY 11563
Toll Free 866-239-5777 | Tel 516-239-5777 | Fax 516-239-7208
sales@signaltransformer.com | techhelp@signaltransformer.com

belfuse.com/signal