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

signal TRANSFORMER
a bel group

belfuse.com/signal

Please read our datasheet & drawing disclaimer here.

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**

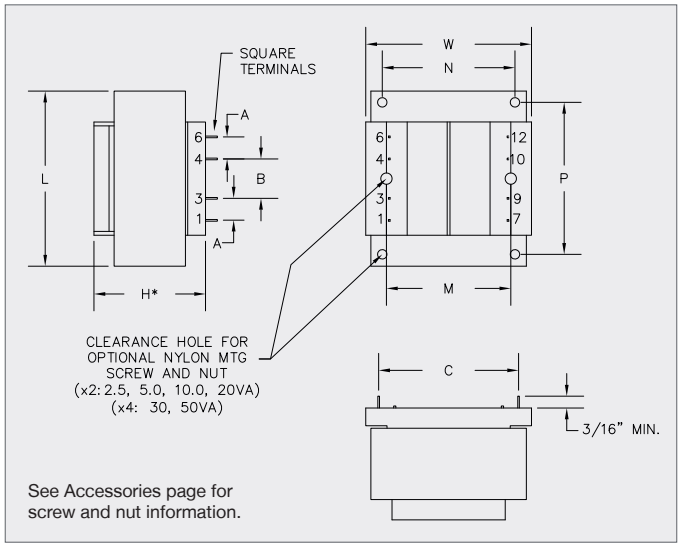
Part Number	Secondary RMS Rating	Secondary Fuse Required
CL2-2.5R-12	12 V @ 0.20 A	N/A*
CL2-2.5R-24	24 V @ 0.10 A	N/A*
CL2-5.0R-12	12 V @ 0.42 A	N/A*
CL2-5.0R-24	24 V @ 0.20 A	N/A*
CL2-10R-12	12 V @ 0.83 A	N/A*
CL2-10R-24	24 V @ 0.42 A	N/A*

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

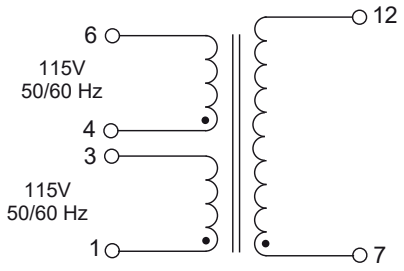
Mechanical Specifications

VA	Dimensions						Sq. Pin Dimension	Mounting Dimensions			Mounting Screw		Weight
	L	W	H*	A	B	C		Inches (mm)					
Size	Inches (mm)							M	N	P	Size	Qty	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.



See Accessories page for screw and nut information.



• 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.

signal TRANSFORMER a bel group

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

© 2019 Signal Transformer