Chassis Mount

A41 Series

All-4-One™ International Transformers
Triple Output

For 5 VDC and ±12 VDC or ±15 VDC Regulated Power Supplies Requiring International Safety Certification

Triple output transformers with chassis mount capability plus all of the performance features of our split bobbin A41 series.



General Specifications

- Power - 25 VA to 80 VA
- Dielectric Strength - 4000 Vrms Hipot
- Primaries - Dual primaries (115/230 V - 50/60 Hz)
- Secondaries - Dual complementary outputs (5 VDC with ±12 VDC or 5 VDC with ±15 VDC)
- Terminals - Solder lug / quick connect type terminals
- Leakage - Current meets UL 60601-1, IEC/EN 60601-1
- Insulation - Class F (155° C)
- Flammability Rating - Bobbin and shroud material meet UL 94-V0

Agency Certifications

- UL 1446 UL File # E66312
- UL recognized to UL 506 / UL 5085-2, File # E63829
- CSA certified to C22.2 No. 66.1, File # 221070
- VDE certified to VDE 0805 / EN 60950 (File # 1448)

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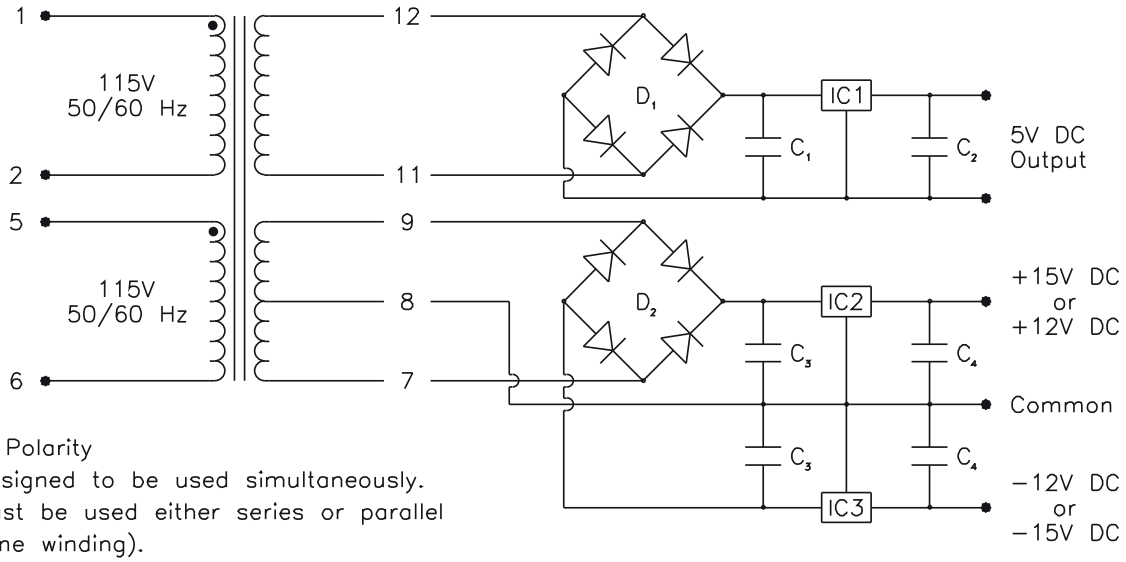
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Please read our datasheet & drawing disclaimer here.

Part Number Selection

Part Number	VA	DC Output		Suggested Components (C_2 and C_4 See Note 1)						
	Size	Regulator I	Regulator II	C_1	C_3	IC1 [1]	IC2 [2]	IC3 [3]	D1 [4]	D2 [4]
A41-25-512	25	5 V @ 1.25 A	±12 V @ 150 mA	4.1 KMFD @ 15 VDC	600 MFD @ 50 VDC	LM-323K-5	LM-340K-12	LM-320K-12	PE20	PF20
A41-25-515	25	5 V @ 1.25 A	±15 V @ 130 mA			LM-323K-5	LM-340K-15	LM-320K-15	PE20	PF20
A41-43-512	43	5 V @ 2 A	±12 V @ 300 mA	8 KMFD @ 15 VDC	1.1 KMFD @ 50 VDC	LM-323K-5	LM-340K-12	LM-320K-12	PE20	PF20
A41-43-515	43	5 V @ 2 A	±15 V @ 250 mA			LM-323K-5	LM-340K-15	LM-320K-15	PE20	PF20
A41-80-512	80	5 V @ 3.5 A	±12 V @ 600 mA	10 KMFD @ 15 VDC	2.1 KMFD @ 50 VDC	LM-338 [2]	LM-340K-12	LM-320K-12	PP20	PF20
A41-80-515	80	5 V @ 3.5 A	±15 V @ 500 mA			LM-338 [2]	LM-340K-15	LM-320K-15	PP20	PF20

Note 1: Output capacitors C_2 and C_4 are required to stabilize regulators. Values can be 1 MFD min. tantalum or 10 MFD min. electrolytic, 20 V min.
Note 2: LM-338 is an adjustable regulator and MFR's specifications (National Semiconductor) should be consulted for values of external components.
Note 3: All IC's are National Semiconductor types.
Note 4: All bridges are EDI types.



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

Note:
VDE certified A41 Series transformers with standard length and color lead wires are readily available. Contact Customer Service for more information.

Custom versions available upon request.

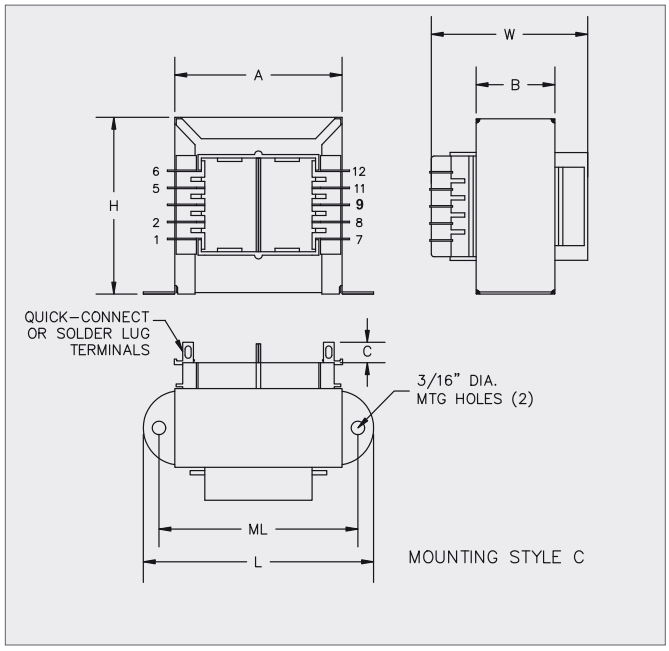
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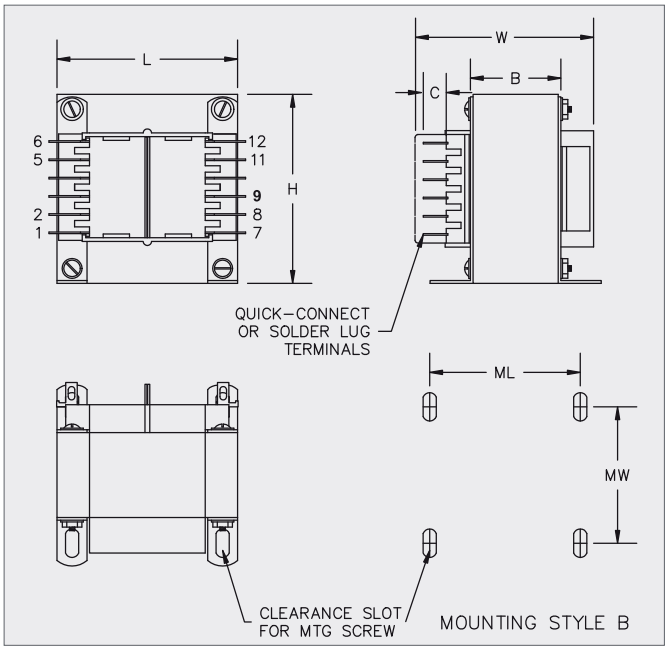
128 Atlantic Avenue, Lynbrook, NY 11563
Toll Free 866-239-5777 | Tel 516-239-5777 | Fax 516-239-7208
sales@signaltransformer.com | techhelp@signaltransformer.com
belfuse.com/signal

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Mechanical Specifications

VA	Mechanical Dimensions						Terminals	Mounting Style	Mounting Dimensions		Mounting Screw	Weight
	L	W	H	A	B	C			ML	MW		
Size	Inches (mm)						Inches (mm)					lbs (kg)
25	2.81 (71.4)	2.14 (54.4)	2.31 (58.7)	2.00 (50.8)	1.12 (28.6)	0.31 (7.9)	0.18 (4.75)	C	2.37 (60.3)	—	#6	1.25 (0.57)
43	3.12 (79.4)	2.14 (54.4)	2.68 (68.2)	2.25 (57.2)	1.12 (28.6)	0.31 (7.9)	0.18 (4.75)	C	2.81 (71.4)	—	#6	1.6 (0.73)
80	2.50 (63.5)	2.53 (64.3)	3.06 (77.7)	—	1.37 (35.0)	0.31 (7.9)	0.18 (4.75)	B	2.00 (50.8)	2.18 (55.5)	#6	2.8 (1.27)





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Toll Free 866-239-5777 | Tel 516-239-5777 | Fax 516-239-7208
sales@signaltransformer.com | techhelp@signaltransformer.com
belfuse.com/signal

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