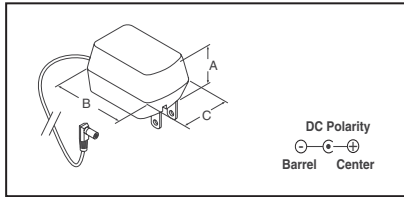




# Wall Mount Transformers 2.1mm I.D. x 5.5mm O.D. Female/Right Angle Connector



**Specifications:** • Cord Length: 1830mm (6ft) Minimum • Output Receptacle: 2.1mm I.D. x 5.5mm O.D. x 12.50mm Barrel length, Right Angle (molded) Female Barrel Connector/Nickel Plated • Load Regulation: See detailed spec on web page • **Electrical Specifications:** Input 120VAC, 60Hz • Operating Temperature: -10°C - 30°C • Storage Temperature: -20°C - 85°C • Humidity: 0 to 95% without condensation • Withstand Voltage: 1240Vrms @input to output • Safety Approval: UL 1310 (Class 2 Power units) and CSA No. 223 File No. E218172 • CEC: Not Compliant.

Size Code	Dimensions — Inch (mm)			Tamura Series
	A	B	C	
1	1.398 ±0.039 (35.50 ±1.0)	2.50 ±0.039 (63.50 ±1.0)	1.575 ±0.039 (40.00 ±1.0)	212AS
2	1.69 ±0.039 (43.00 ±1.0)	2.756 ±0.039 (70.00 ±1.0)	1.811 ±0.039 (46.00 ±1.0)	318AS
3	1.83 ±0.039 (46.50 ±1.0)	2.835 ±0.039 (72.00 ±1.0)	2.047 ±0.039 (52.00 ±1.0)	420AS
4	2.067 ±0.039 (52.50 ±1.0)	3.58 ±0.039 (91.00 ±1.0)	2.28 ±0.039 (58.00 ±1.0)	830AS
5	2.441 ±0.039 (62.00 ±1.0)	4.055 ±0.039 (103.00 ±1.0)	2.411 ±0.039 (62.00 ±1.0)	835AS

Size Code	Voltage Ratings	Current Rating	Digi-Key Part No.	Price Each				Tamura Part No.
				1	10	25	100	
<b>AC Output</b>								
3	12VAC	750mA	MT7119-ND♦	7.33	5.86	4.69	3.96	420AS12075
4		1A	MT7166-ND♦	10.00	8.00	6.40	5.40	830AS12100
5		1.5A	MT7120-ND♦	12.58	10.06	8.05	6.80	835AS12150
1	16VAC	100mA	MT7121-ND	5.05	4.04	3.24	2.73	212AS16010
2		300mA	MT7122-ND	6.08	4.86	3.89	3.29	318AS16030
1	20VAC	75mA	MT7125-ND	5.05	4.04	3.24	2.73	212AS20007
2		225mA	MT7126-ND	6.13	4.90	3.92	3.31	318AS20022
5		900mA	MT7128-ND	12.20	9.76	7.81	6.59	835AS20090
5	24VAC	750mA	MT7132-ND♦	12.20	9.76	7.81	6.59	835AS24075

Size Code	Voltage Rating	Current Rating	Digi-Key Part No.	Price Each				Tamura Part No.
				1	10	25	100	
<b>DC Output</b>								
1	4.5VDC	250mA	MT7135-ND	5.15	4.12	3.30	2.79	212AS04025
1	6VDC	200mA	MT7138-ND♦	5.15	4.12	3.30	2.79	212AS06020
1	9VDC	125mA	MT7141-ND	5.13	4.10	3.28	2.77	212AS09012
3		600mA	MT7143-ND♦	8.18	6.54	5.24	4.42	420AS09060
4		1A	MT7164-ND♦	10.65	8.52	6.82	5.76	830AS09100
3	12VDC	500mA	MT7147-ND♦	7.88	6.30	5.04	4.26	420AS12050
4		800mA	MT7165-ND♦	10.65	8.52	6.82	5.76	830AS12080
5		1A	MT7148-ND♦	13.38	10.70	8.56	7.23	835AS12100
2	15VDC	250mA	MT7150-ND♦	6.63	5.30	4.24	3.58	318AS15025
4		700mA	MT7167-ND♦	10.73	8.58	6.87	5.80	830AS15070
1	18VDC	60mA	MT7153-ND	5.10	4.08	3.27	2.76	212AS18006
2	24VDC	150mA	MT7158-ND♦	6.53	5.22	4.18	3.53	318AS24015

Note: Output voltage shown is at full load current. ♦ RoHS Compliant



# Encapsulated Power Transformers



Encapsulated transformers have added advantages over non-encapsulated transformers. Reduced winding temperature differential due to heat transfer capability of the epoxy. Have a greater VA to Volume ratio which results in cooler and/or smaller transformers. Increased insulation reliability due to use of epoxy in place of tape/paper insulation. Encapsulation also increases shock/vibration and humidity/moisture resistance of the part.  
**Electrical Parameters:** • Temperature: 70°C • Short Circuit Proof (unless otherwise noted) • Hi-Pot tested: 4KV primary to secondary • Frequency: 50/60Hz

Additional Agency Approvals (See chart below)

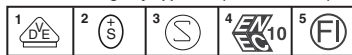


Fig. 1 - Mini Line Series

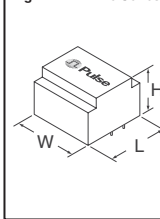


Fig. 2 - Print Line Series

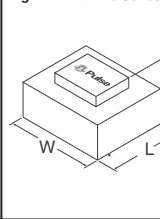
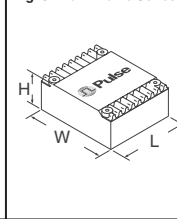


Fig. 3 - Low Profile Series



Dual Winding Connection Possibilities

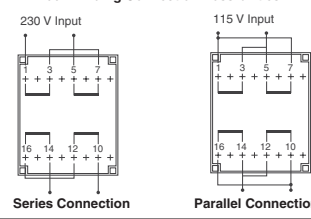


Fig.	VA	Primary Voltage (VAC)	Secondary Voltage Ratings		Additional Agency Approvals	Dimensions Inches (mm)			Digi-Key Part No.	Price Each			Pulse Part No.
			Parallel Connection (VAC @ mA)	Series Connection (VAC @ mA)		L	W	H		1	10	25	
<b>Single Primary / Single Secondary</b>													
1	0.08	115	6 @ 13.30		2	0.87 (22)	0.90 (23)	0.472 (12)	567-1000-ND	3.09	2.27	2.06	BV020-5470.0
1	0.35		6 @ 58.0		2	0.87 (22)	0.90 (23)	0.60 (15)	567-1004-ND	2.75	1.95	1.75	BV020-5411.0
1	0.50		6 @ 83.0		2	0.87 (22)	0.90 (23)	0.75 (19)	567-1013-ND	3.56	2.58	2.31	BV020-5370.0
2	1		9 @ 111		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	0.87 (22)	567-1025-5-ND	2.74	2.21	1.96	BV030-7221.0
2	1.5		9 @ 166		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	0.94 (24)	567-1030-5-ND	2.97	2.39	2.12	BV030-7151.0
2	2.3		115	9 @ 256		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	1.14 (29)	567-1035-5-ND*	3.17	2.32	2.12
2	2.8	9 @ 311		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	1.34 (34)	567-1040-5-ND*	3.35	2.46	2.24	BV030-7597.0	
1	0.35	12 @ 29.0		2	0.87 (22)	0.90 (23)	0.60 (15)	567-1005-ND	2.75	1.95	1.75	BV020-5413.0	
1	0.50	12 @ 42.0		2	0.87 (22)	0.90 (23)	0.75 (19)	567-1014-ND	3.56	2.58	2.31	BV020-5372.0	
2	1.2	12 @ 100		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	0.94 (24)	567-1028-5-ND	2.94	2.37	2.10	BV030-7258.0	
2	1.5	115		12 @ 125		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	0.94 (24)	567-1031-5-ND	2.97	2.39	2.12
1	0.35		24 @ 14.0		1, 2, 4	0.87 (22)	0.90 (23)	0.60 (15)	567-1006-ND	2.75	1.95	1.75	BV020-5416.0
1	0.08		6 @ 13.30		2	0.87 (22)	0.90 (23)	0.472 (12)	567-1002-ND	4.16	3.04	2.77	BV020-5480.0
1	0.35		6 @ 58.0		1, 2, 4	0.87 (22)	0.90 (23)	0.60 (15)	567-1010-ND	3.66	2.60	2.33	BV020-5423.0
1	0.50		6 @ 83.0		1, 2, 4	0.87 (22)	0.90 (23)	0.75 (19)	567-1019-ND	4.05	2.93	2.63	BV020-5382.0
2	1		9 @ 111		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	0.87 (22)	567-1027-5-ND	2.77	2.23	1.98	BV030-7233.0
2	1.5	9 @ 166		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	0.94 (24)	567-1032-5-ND	2.88	2.32	2.06	BV030-7162.0	
2	2	230	9 @ 222		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	1.06 (27)	567-1034-5-ND*	3.08	2.19	1.96	BV030-7305.0
1	0.08		9 @ 311		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	1.34 (34)	567-1042-5-ND*	3.90	2.85	2.60	BV030-7585.0
1	0.35		12 @ 6.67		2	0.87 (22)	0.90 (23)	0.472 (12)	567-1003-ND	4.16	3.04	2.77	BV020-5482.0
1	0.50		12 @ 29.0		1, 2, 4	0.87 (22)	0.90 (23)	0.60 (15)	567-1011-ND	3.66	2.60	2.33	BV020-5425.0
1	0.50		12 @ 42.0		1, 2, 4	0.87 (22)	0.90 (23)	0.75 (19)	567-1020-ND	4.05	2.93	2.63	BV020-5384.0
2	1		12 @ 84		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	0.87 (22)	567-1026-5-ND	2.77	2.23	1.98	BV030-7234.0
2	1.2	12 @ 100		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	0.94 (24)	567-1029-5-ND	3.05	2.46	2.18	BV030-7270.0	
2	2.3	12 @ 192		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	1.14 (29)	567-1036-5-ND*	2.99	2.19	1.99	BV030-7342.0	
2	5	18 @ 275		1, 2, 3, 4, 5	1.79 (45.5)	1.52 (38.5)	1.26 (32)	567-1044-ND*	5.11	3.84	3.63	BV042-5199.0	
1	0.35	230	24 @ 14.0		1, 2, 4	0.87 (22)	0.90 (23)	0.60 (15)	567-1012-ND	3.66	2.60	2.33	BV020-5428.0
2	2.3		24 @ 96		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	1.14 (29)	567-1037-5-ND*	2.99	2.19	1.99	BV030-7345.0
<b>Single Primary / Dual Secondary</b>													
1	0.35	115	6 @ 58.0		1, 2, 4	0.87 (22)	0.90 (23)	0.60 (15)	567-1007-ND	2.60	1.90	1.73	BV020-5417.0
1	0.50		6 @ 84.0		1, 2, 4	0.87 (22)	0.90 (23)	0.75 (19)	567-1016-ND	3.43	2.51	2.29	BV020-5376.0
1	0.50	230	6 @ 84.0		1, 2, 4	0.87 (22)	0.90 (23)	0.75 (19)	567-1022-ND	3.90	2.85	2.60	BV020-5388.0
2	2.3		9 @ 256		1, 2, 3, 4, 5	1.28 (32.5)	1.08 (27.5)	1.14 (29)	567-1039-5-ND*	3.07	2.25	2.05	BV030-7347.0
1	0.50		12 @ 42.0		1, 2, 4	0.87 (22)	0.90 (23)	0.75 (19)	567-1023-ND	4.16	3.04	2.77	BV020-5390.0
1	0.50		24 @ 20.0		—	0.87 (22)	0.90 (23)	0.75 (19)	567-1024-ND	4.55	3.33	3.03	BV020-5393.0
<b>Dual Primary / Dual Secondary</b>													
3	10	115/230	12 @ 832		24 @ 416	1.73 (44)	2.09 (53)	1.10 (28)	567-1049-ND*†	12.71	9.78	9.21	BV030-7079.0
	30		12 @ 2.5A		24 @ 1.25A	2.24 (57)	2.68 (68)	1.38 (35)	567-1054-ND*†	21.25	17.21	15.69	BV039-5308.0
	30		15 @ 2A		30 @ 1A	2.24 (57)	2.68 (68)	1.38 (35)	567-1053-ND*†	21.25	17.21	15.69	BV039-5311.0

\* Not Short Circuit Proof † Temperature rating is 40°C

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