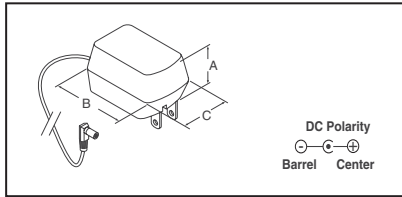




Wall Mount Transformers 2.1mm I.D. x 5.5mm O.D. Female/Right Angle Connector



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 | |
| AC Output | | | | | | | | |
| 3 | 12VAC | 750mA | MT7119-ND♦ | 7.33 | 5.86 | 4.69 | 3.96 | 420AS12075 |
| 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 | 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 | |
| DC Output | | | | | | | | |
| 1 | 4.5VDC | 250mA | MT7135-ND | 5.15 | 4.12 | 3.30 | 2.79 | 212AS04025 |
| 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 |
| 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 |
| 4 | 15VDC | 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 |

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)

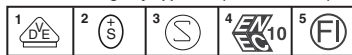


Fig. 1 - Mini Line Series

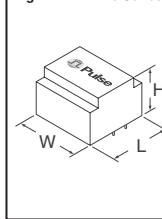


Fig. 2 - Print Line Series

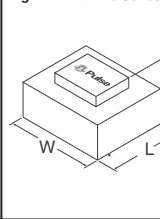
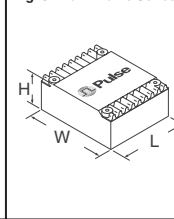
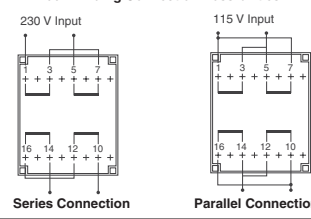


Fig. 3 - Low Profile Series



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 | | |
| Single Primary / Single Secondary | | | | | | | | | | | | | | |
| 1 | 0.08 | 115 | 6 @ 13.30 | | 2 | 0.87 (22) | 0.90 (23) | 0.472 (12) | 567-1000-ND | 3.94 | 2.72 | 2.45 | BV020-5470.0 | |
| 1 | 0.35 | | 6 @ 58.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.60 (15) | 567-1004-ND | 3.24 | 2.16 | 2.00 | BV020-5411.0 | |
| 1 | 0.50 | | 6 @ 83.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.75 (19) | 567-1013-ND | 3.83 | 2.64 | 2.38 | 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 | 3.04 | 2.06 | 1.87 | 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 | 3.18 | 2.12 | 1.97 | BV030-7151.0 | |
| 2 | 2.3 | | 9 @ 256 | | 1, 2, 3, 4, 5 | 1.28 (32.5) | 1.08 (27.5) | 1.14 (29) | 567-1035-5-ND* | 3.54 | 2.44 | 2.20 | BV030-7329.0 | |
| 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* | 4.26 | 2.94 | 2.65 | BV030-7597.0 | | |
| 1 | 0.35 | 115 | 12 @ 29.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.60 (15) | 567-1005-ND | 3.24 | 2.16 | 2.00 | BV020-5413.0 | |
| 1 | 0.50 | | 12 @ 42.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.75 (19) | 567-1014-ND | 3.83 | 2.64 | 2.38 | 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 | 3.15 | 2.10 | 1.95 | BV030-7258.0 | |
| 2 | 1.5 | | 12 @ 125 | | 1, 2, 3, 4, 5 | 1.28 (32.5) | 1.08 (27.5) | 0.94 (24) | 567-1031-5-ND | 3.18 | 2.12 | 1.97 | BV030-7136.0 | |
| 1 | 0.35 | | 24 @ 14.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.60 (15) | 567-1006-ND | 3.24 | 2.16 | 2.00 | BV020-5416.0 | |
| 1 | 0.08 | | 230 | 6 @ 13.30 | | 2 | 0.87 (22) | 0.90 (23) | 0.472 (12) | 567-1002-ND | 4.48 | 3.12 | 2.80 | BV020-5480.0 |
| 1 | 0.35 | 6 @ 58.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.60 (15) | 567-1010-ND | 3.86 | 2.66 | 2.40 | BV020-5423.0 | | |
| 1 | 0.50 | 6 @ 83.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.75 (19) | 567-1019-ND | 4.20 | 2.93 | 2.70 | 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 | 3.15 | 2.10 | 1.95 | 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 | 3.15 | 2.10 | 1.95 | BV030-7162.0 | | |
| 2 | 2.8 | 9 @ 311 | | 1, 2, 3, 4, 5 | 1.28 (32.5) | 1.08 (27.5) | 1.34 (34) | 567-1042-5-ND* | 4.31 | 3.01 | 2.78 | BV030-7585.0 | | |
| 1 | 0.08 | 230 | 12 @ 6.67 | | 2 | 0.87 (22) | 0.90 (23) | 0.472 (12) | 567-1003-ND | 4.48 | 3.12 | 2.80 | BV020-5482.0 | |
| 1 | 0.35 | | 12 @ 29.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.60 (15) | 567-1011-ND | 3.86 | 2.66 | 2.40 | BV020-5425.0 | |
| 1 | 0.50 | | 12 @ 42.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.75 (19) | 567-1020-ND | 4.20 | 2.93 | 2.70 | 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 | 3.15 | 2.10 | 1.95 | 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 | 3.27 | 2.18 | 2.02 | 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* | 3.57 | 2.46 | 2.22 | BV030-7342.0 | |
| 2 | 5 | 18 @ 278 | | 1, 2, 3, 4, 5 | 1.79 (45.5) | 1.52 (38.5) | 1.26 (32) | 567-1044-ND* | 6.32 | 4.62 | 4.21 | 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 | 3.86 | 2.66 | 2.40 | 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* | 3.57 | 2.46 | 2.22 | BV030-7345.0 | |
| Single Primary / Dual Secondary | | | | | | | | | | | | | | |
| 1 | 0.35 | 115 | 6 @ 58.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.60 (15) | 567-1007-ND | 3.63 | 2.50 | 2.25 | BV020-5417.0 | |
| 1 | 0.50 | | 6 @ 84.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.75 (19) | 567-1016-ND | 4.15 | 2.86 | 2.58 | 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 | 4.54 | 3.16 | 2.84 | 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* | 3.92 | 2.70 | 2.43 | BV030-7347.0 | |
| 1 | 0.50 | | 12 @ 42.0 | | 1, 2, 4 | 0.87 (22) | 0.90 (23) | 0.75 (19) | 567-1023-ND | 4.54 | 3.16 | 2.84 | BV020-5390.0 | |
| 1 | 0.50 | | 24 @ 20.0 | | 48 @ 10.0 | — | 0.87 (22) | 0.90 (23) | 0.75 (19) | 567-1024-ND | 4.81 | 3.42 | 3.07 | BV020-5393.0 |
| Dual Primary / Dual Secondary | | | | | | | | | | | | | | |
| 3 | 10 30 | 115/230 | 12 @ 832 15 @ 2A | | 24 @ 416 30 @ 1A | 1, 2, 3, 4, 5 1, 2, 3, 4, 5 | 1.73 (44) 2.24 (57) | 2.09 (53) 2.68 (68) | 1.10 (28) 1.38 (35) | 567-1049-ND*† 567-1053-ND*† | 12.71 20.24 | 9.78 16.50 | 9.21 15.49 | BV030-7079.0 BV039-5119.0 |

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

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