



FEATURES:

- Wide Input Range up to 160V
- Low no-load Power
- Efficiency up to 93%
- Up to 3000VDC I/O Isolation
- Remote ON/OFF Control
- Meet Railway Standard: EN50155
- Industry Standard: 1/4 Brick
- Operating temperature -40°C to + 100°C
- Over Current, Over Voltage, Over Temperature & Continuous Short Circuit Protection

Models

Single output



| Model | Input Voltage (VDC) | Input Current No load/Full load (mA) | Output Voltage (VDC) | Output Current max (A) | Max Capacitive load (µF) | Efficiency (%) |
|---------------------|---------------------|--------------------------------------|----------------------|------------------------|--------------------------|----------------|
| AM100QB-2405SH22-NZ | 24 (9-36) | 160/4789 | 5 | 20 | 6000 | 89 |
| AM100QB-2412SH22-NZ | 24 (9-36) | 160/4789 | 12 | 8.3 | 2000 | 90 |
| AM100QB-2415SH22-NZ | 24 (9-36) | 160/4789 | 15 | 6.7 | 2000 | 90 |
| AM100QB-2424SH22-NZ | 24 (9-36) | 160/4789 | 24 | 4.2 | 1000 | 90 |
| AM100QB-2428SH22-NZ | 24 (9-36) | 160/4789 | 28 | 3.6 | 1000 | 90 |
| AM100QB-2448SH22-NZ | 24 (9-36) | 160/4789 | 48 | 2.1 | 470 | 90 |
| AM100QB-4805SH22-NZ | 48 (18-75) | 80/2341 | 5 | 20 | 6000 | 91 |
| AM100QB-4812SH22-NZ | 48 (18-75) | 80/2341 | 12 | 8.3 | 2000 | 92 |
| AM100QB-4815SH22-NZ | 48 (18-75) | 80/2341 | 15 | 6.7 | 2000 | 93 |
| AM100QB-4824SH22-NZ | 48 (18-75) | 80/2341 | 24 | 4.2 | 1000 | 92 |
| AM100QB-4848SH22-NZ | 48 (18-75) | 80/2341 | 48 | 2.1 | 470 | 92 |
| AM100QB-11012S-NZ | 110 (66-160) | 15/1044 | 12 | 8.333 | 6,000 | 89 |
| AM100QB-11024S-NZ | 110 (66-160) | 15/1010 | 24 | 4.167 | 3,000 | 92 |

Note: The nominal input 110V models will be discontinued (EOL) by June 30, 2021; For new design, please refer to the AM100QB-JZ series.

*Add suffix "-K" on nominal input 24V and "AM100QB-11024S-NZ" models only for optional heatsink.

**Add suffix "-M" on nominal input 24V and 48V models only for optional aluminum alloy bottom case.

NOTE: All specifications in this datasheet are measured at an ambient temperature of 25°C, humidity < 75%, nominal input voltage and at rated output load unless otherwise specified.

Input Specifications

| Parameters | Nominal | Typical | Maximum | Units |
|--------------------------------|--|---------|---------|--------|
| Voltage range | 24V models | 9-36 | 40 | VDC |
| | 48V models | 18-75 | 80 | |
| | 110V models | 66-160 | 170 | |
| Filter | π(Pi) Network | | | |
| Startup time | | 25 | | ms |
| Absolute Maximum Rating | 24V models | | 50 | VDC |
| | 48V models | | 90 | |
| | 110V models | | 180 | |
| Peak Input Voltage time | | | 1,000 | ms |
| Input reflected ripple current | 24V models | 30 | | mA p-p |
| | 48V models | 30 | | |
| | 110V models | 50 | | |
| Under Voltage Lockout (On/Off) | 24V models | 7.5 | | VDC |
| | 48V models, 5V/15V output | 16.5 | | |
| | 48V models, others | 15.5 | | |
| Remote On / OFF Control | | 58 | | VDC |
| | ON: 3.5 ~ 12Vdc or Open Circuit OFF: 0 ~ 1.2Vdc or Ctrl connected to -Vin | | | |

Idle current: 2~65mA for 24V models, 2-10mA for 48V & 110V models

Isolation Specifications

| Parameters | Conditions | Typical | Rated | Units |
|--------------------|-----------------------|---------|-------|-------|
| Tested I/O voltage | 24V & 48V models, 60s | | 2250 | VDC |
| | 110V models, 60s | | 3000 | |
| Input to Case | 24V models, 60s | | 1600 | VDC |
| | 48V/110V models, 60s | | 1500 | |
| Output to Case | 24V/48V models, 60s | | 500 | VDC |
| | 110V models, 60s | | 1500 | |
| Resistance | | >1000 | | MOhm |
| Capacitance | | 2200 | | pF |

Output Specifications

| Parameters | Conditions | Typical | Maximum | Units | |
|------------------------------|--|---------|---------|-----------|---|
| Voltage accuracy | 24V & 48V models | ±1 | ±3 | % | |
| | 110V models | | ±2 | | |
| Over voltage protection | Zener Diode Clamp | | | | |
| Over load protection | 24V models | 110~150 | | % of Iout | |
| | 48V models | 110~190 | | | |
| | 110V models | 110~180 | | | |
| Short Circuit protection | Continuous, Auto-recovery | | | | |
| Thermal shutdown | On Case | 115 | | °C | |
| Line voltage regulation | 24V & 48V models | ±0.2 | ±0.5 | % of Vin | |
| | 110V models | ±0.3 | | | |
| Load voltage regulation | 0% to 100% Full Load, | 24V/48V | ±0.5 | ±0.75 | % |
| | | 110V | | ±0.5 | |
| Temperature coefficient | | | ±0.03 | %/°C | |
| Ripple & Noise | 20MHz Bandwidth, 24V/48V Vin, 12V/15V Vout | 100 | 200 | mV p-p | |
| | 20MHz Bandwidth, 24V/48V Vin, others | 130 | 250 | | |
| | 20MHz Bandwidth, 110V Vin | 100 | 300 | | |
| Transient Response Deviation | 24V/48V models, 5V Vout | ±3 | ±7.5 | % of Max | |
| | Others | ±3 | ±5 | | |
| Transient Recovery | | 300 | 500 | µsec | |
| Voltage adjustment range | 24V Vin, 5V/15V Vout models | -9/+10 | | % | |
| | 24V others | ±10 | | | |
| | 48V/110V models | -5/+10 | | | |

General Specifications

| Parameters | Conditions | Typical | Maximum | Units |
|---|--|----------------------------|-----------------------|-------|
| Switching frequency | 24V/48V models, 100% load | 250 | | KHz |
| | 110V models, 100% load | 220 | | |
| Operating temperature | 24V/48V models with derating | -40 to +85 | | °C |
| | 110V models with derating | -40 to +100 | | |
| Storage temperature | | -55 to +125 | | °C |
| Maximum case temperature | | | 110 | °C |
| Cooling | Free Air Convection or Forced Convection 200-1000 LFM airflow | | | |
| Humidity | | | 95 | % RH |
| Case material | Aluminum alloy or non-conductive Black Plastic (UL94V-0 rated) | | | |
| Weight | 24V models | 80 | | g |
| | 48V models | 70 | | |
| | 110V models | 46 | | |
| Weight with optional aluminum case | 24V models | 100 | | |
| | 48V models | 90 | | |
| Weight with Heatsink | 24V models | 116 | | |
| | 110V models | 76 | | |
| Dimensions (L x W x H) | 24V/48V models | 2.43 x 1.65 x 0.50 inches | 61.8 x 40.2 x 12.7 mm | |
| | 110V models | 2.394 x 1.543 x 0.5 inches | 60.8 x 39.2 x 12.7 mm | |
| Dimensions (L x W x H) with Aluminum case | 24V & 48V models only | 2.44 x 2.20 x 0.57 inches | 62.0 x 56.0 x 14.6 mm | |
| Dimensions (L x W x H) with Heatsink | 24V models only | 2.43 x 1.65 x 1.09 inches | 61.8 x 40.2 x 27.7 mm | |

| | | | |
|--|------------------|---------------------------|-----------------------|
| | 110V models only | 2.44 x 1.54 x 1.21 inches | 62.0 x 39.2 x 30.8 mm |
|--|------------------|---------------------------|-----------------------|

General Specifications (Continued)

| Parameters | Conditions | Typical | Maximum | Units |
|-------------------------------|----------------------------|---|---------|-------|
| MTBF | | >500,000 hrs (MIL-HDBK-217 F at +25 °C) | | |
| Maximum soldering temperature | 1.5mm from case for 10 sec | 260 | | °C |

Environment Approval

| Parameters | Conditions |
|----------------------|--------------------------------|
| Cooling | EN60068-2-1, 110V models only |
| Dry heat | EN60068-2-2, 110V models only |
| Damp heat | EN60068-2-30, 110V models only |
| Shock and Vibrations | IEC/EN61373 on all models |

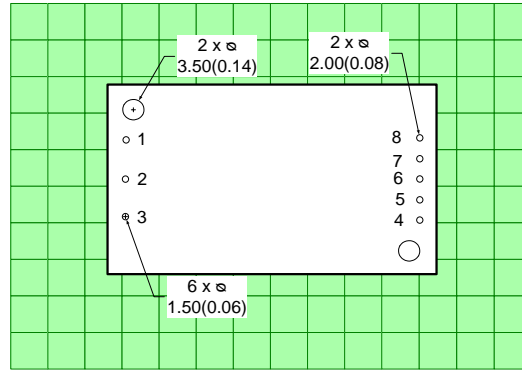
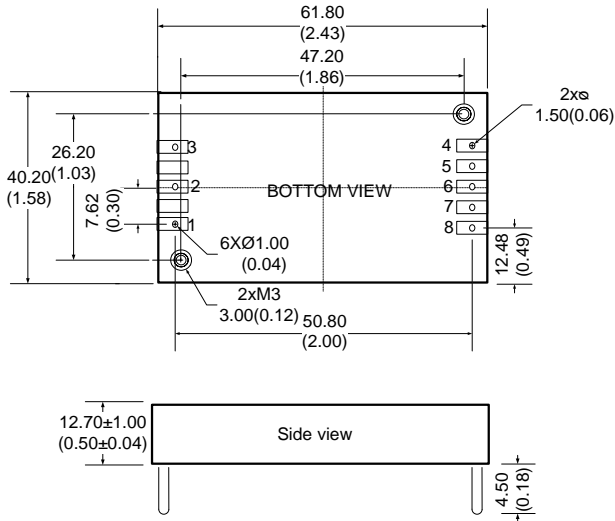
Safety Specifications

| Parameters | | | |
|------------|--|---------|--|
| Standards | EMI - Conducted and radiated emission | 24V | CISPR32/EN55032, class A and class B with the recommended EMC circuit Meet EN50121-3-2, CE&RE with the recommended EMC circuit Meet EN55016-2-1 |
| | | 48V | CISPR32/EN55032, class A and class B with the recommended EMC circuit Meet EN50121-3-2, CE & RE with the recommended EMC circuit |
| | | 110V | CISPR32/EN55032, Class A, Class B with the recommended EMC circuit |
| | Electrostatic Discharge Immunity | 24V/48V | IEC 61000-4-2, Contact ±6KV Air ±8KV, Criteria B Meet EN50121-3-2, Contact ±6KV Air ±8KV |
| | | 110V | IEC 61000-4-2, Contact ±6KV Air ±8KV, Criteria B |
| | RF, Electromagnetic Field Immunity | 24V/48V | IEC 61000-4-3, 20V/m, Criteria A Meet EN50121-3-2, 20V/m |
| | | 110V | IEC 61000-4-3, 10V/m, Criteria A |
| | Electrical Fast Transient/Burst Immunity | 24V/48V | IEC 61000-4-4, ±2kV with the recommended EMC circuit, Criteria B Meet EN50121-3-2, ±2kV |
| | | 110V | IEC 61000-4-4, ±2kV with the recommended EMC circuit, Criteria B |
| | Surge Immunity | 24V | Meet EN50121-3-2, L to L ±1KV (42Ω 0.5uF) with the recommended EMC circuit |
| | | 48V | Meet EN50121-3-2, L to L ±1KV (42Ω 1.2/50us_ with the recommended EMC circuit |
| | | 110V | IEC 61000-4-5, L to L ±2KV with the recommended EMC circuit, Criteria B Meet EN50155, +/-1.8kV (5/50us) with the recommended EMC circuit Criteria B |
| | RF, Conducted Disturbance Immunity | 24V/48V | IEC 61000-4-6, 10Vrms, Criteria A Meet EN50121-3-2, 10Vrms |
| | | 110V | IEC 61000-4-6, 10Vrms, Criteria A |
| | Immunity of Short interruption | 110V | Meet EN50155, 100%-0%, 10ms, Criteria B |

Pin Out Specifications

| Pin | Single |
|-----|----------------|
| 1 | +V Input |
| 2 | On/Off Control |
| 3 | -V Input |
| 4 | Vo - |
| 5 | Sense - |
| 6 | Trim |
| 7 | Sense + |
| 8 | Vo + |

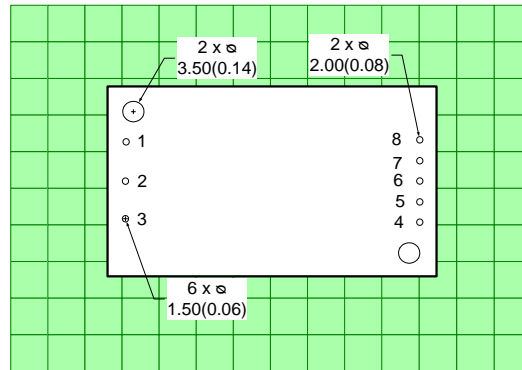
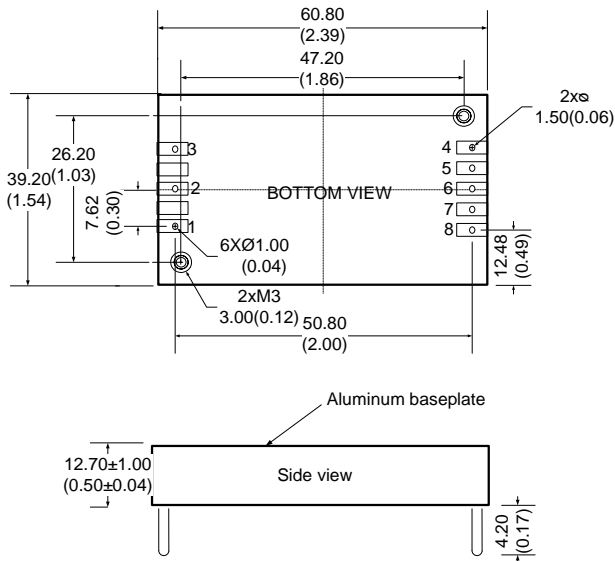
24V & 48V Models Dimensions



DIV: 2.54 x 2.54

Dimensions: mm (inch)
 Case Tolerance: ±0.50 (0.02)
 Pin Tolerance: ± 1.50 (0.06)
 Pin diameter Tolerance: ±0.10 (0.004)
 Pin 1, 2, 3, 5, 6 & 7 diameter: 1.00 (0.04)
 Pin 4 & 8 diameter: 1.50 (0.06)
 Mounting hole screw torque: max 0.4 N m

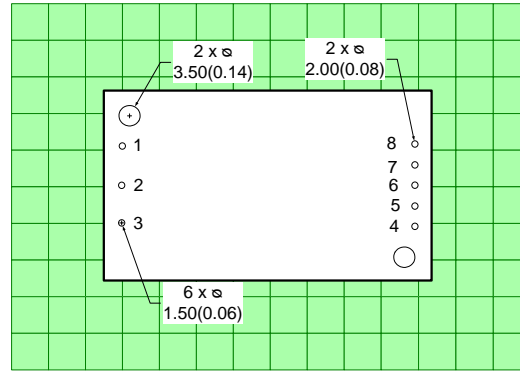
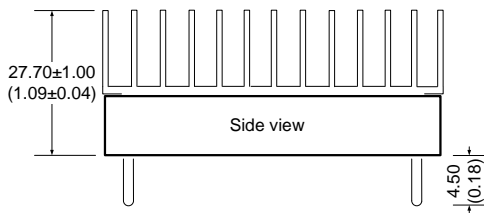
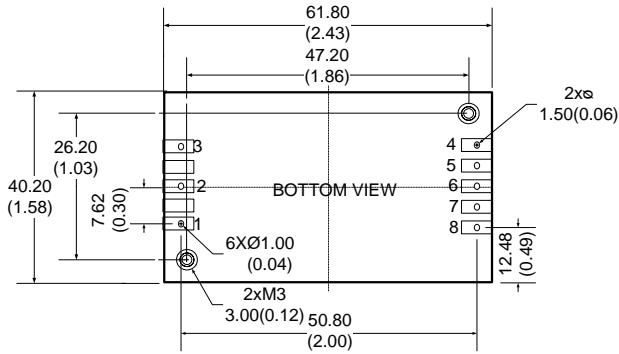
110V Models Dimensions



DIV: 2.54 x 2.54

Dimensions: mm (inch)
 Case Tolerance: ±0.50 (0.02)
 Pin Tolerance: ± 1.50 (0.06)
 Pin diameter Tolerance: ±0.10 (0.004)
 Pin 1, 2, 3, 5, 6 & 7 diameter: 1.00 (0.04)
 Pin 4 & 8 diameter: 1.50 (0.06)
 Mounting hole screw torque: max 0.4 N m

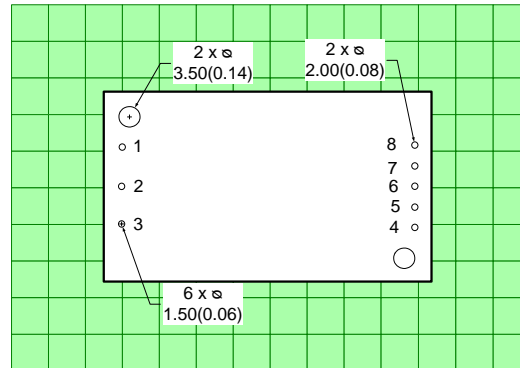
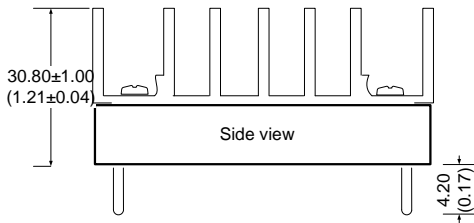
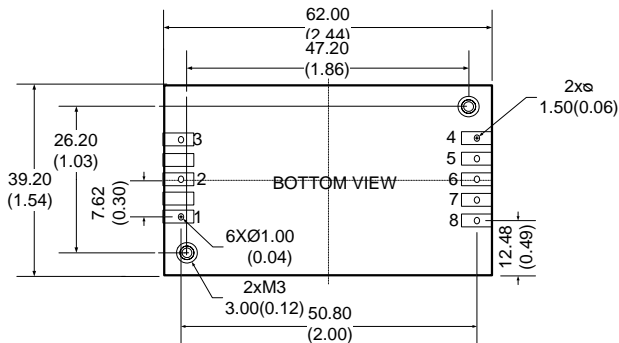
24V Models Dimensions with Optional Heatsink (-K option)



DIV: 2.54 x 2.54

Dimensions: mm (inch)
Case Tolerance: ± 0.50 (0.02)
Pin Tolerance: ± 1.50 (0.06)
Pin diameter Tolerance: ± 0.10 (0.004)
Pin 1, 2, 3, 5, 6 & 7 diameter: 1.00 (0.04)
Pin 4 & 8 diameter: 1.50 (0.06)
Mounting hole screw torque: max 0.4 N m

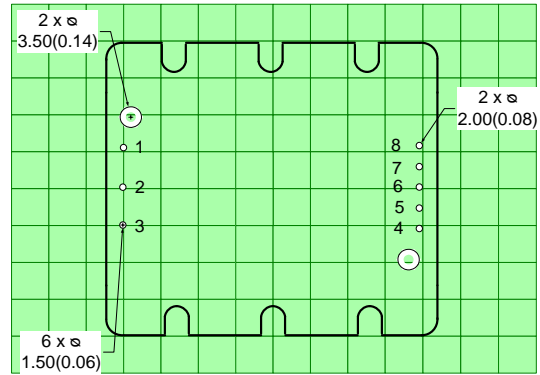
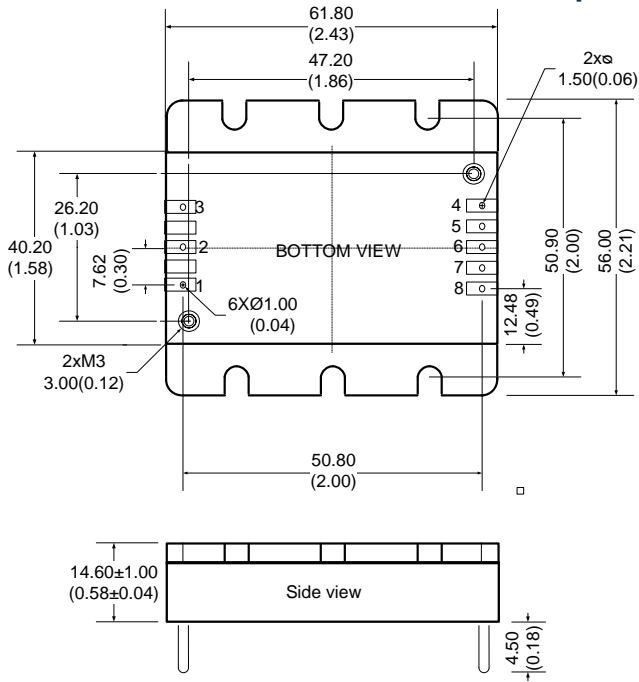
110V Models Dimensions with Optional Heatsink (-K option)



DIV: 2.54 x 2.54

Dimensions: mm (inch)
Case Tolerance: ± 0.50 (0.02)
Pin Tolerance: ± 1.50 (0.06)
Pin diameter Tolerance: ± 0.10 (0.004)
Pin 1, 2, 3, 5, 6 & 7 diameter: 1.00 (0.04)
Pin 4 & 8 diameter: 1.50 (0.06)
Mounting hole screw torque: max 0.4 N m

24V & 48V Models Dimensions with Optional Aluminum Alloy Case (-M option)

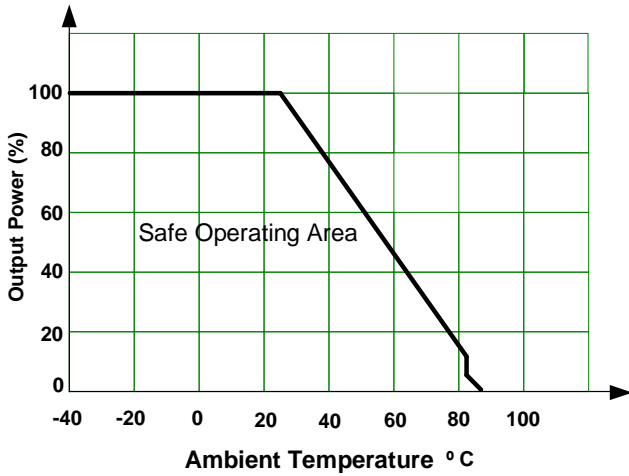


DIV: 2.54 x 2.54

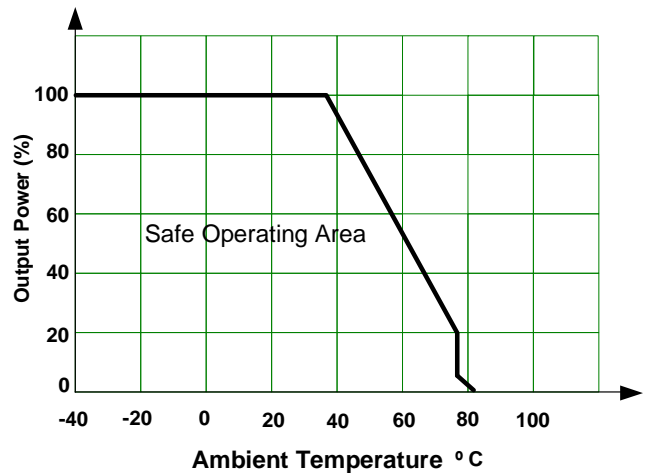
Dimensions: mm (inch)
 Case Tolerance: ± 0.50 (0.02)
 Pin Tolerance: ± 1.50 (0.06)
 Pin diameter Tolerance: ± 0.10 (0.004)
 Pin 1, 2, 3, 5, 6 & 7 diameter: 1.00 (0.04)
 Pin 4 & 8 diameter: 1.50 (0.06)
 Mounting hole screw torque: max 0.4 N m

Derating

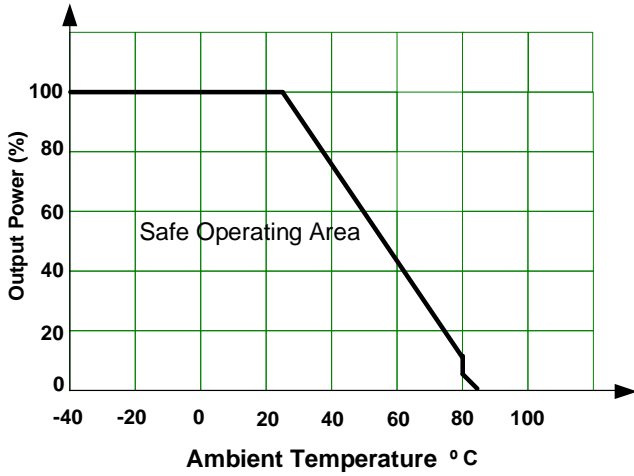
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Vin=24V



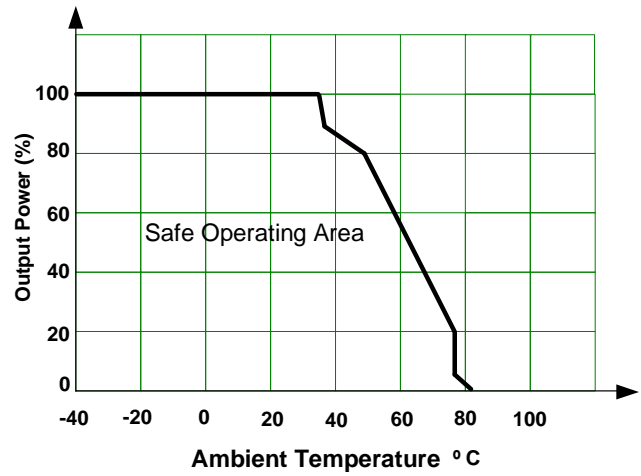
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Vin=24V



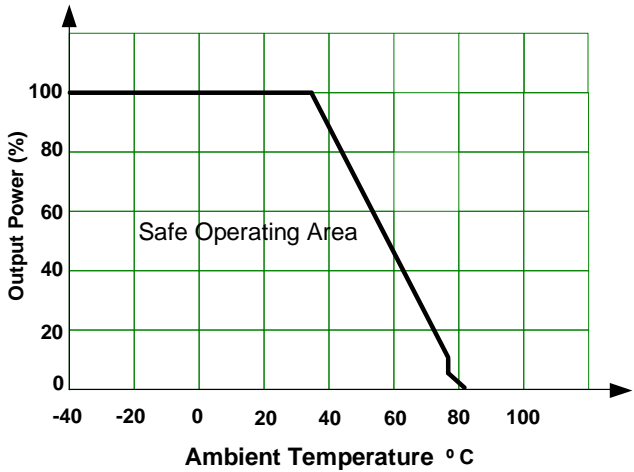
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Vin=24V



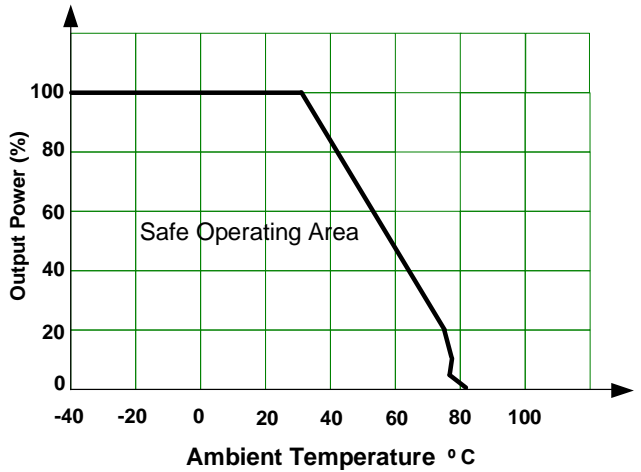
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Vin=24V



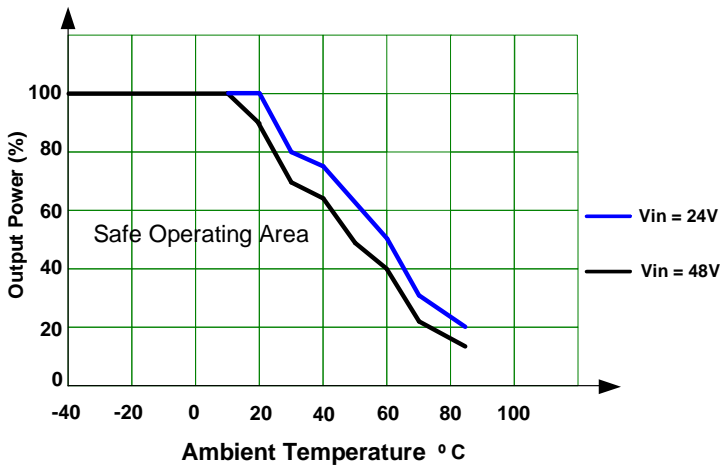
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Vin=24V



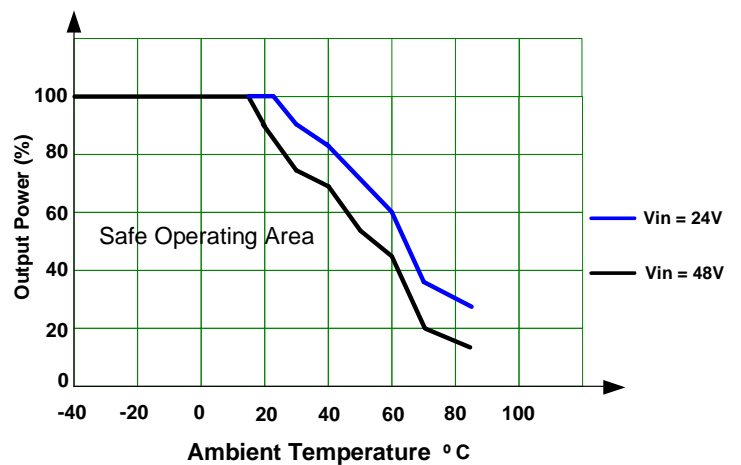
AM100QB-2448SH22-NZ-K(with Heatsink)
Vin=24V



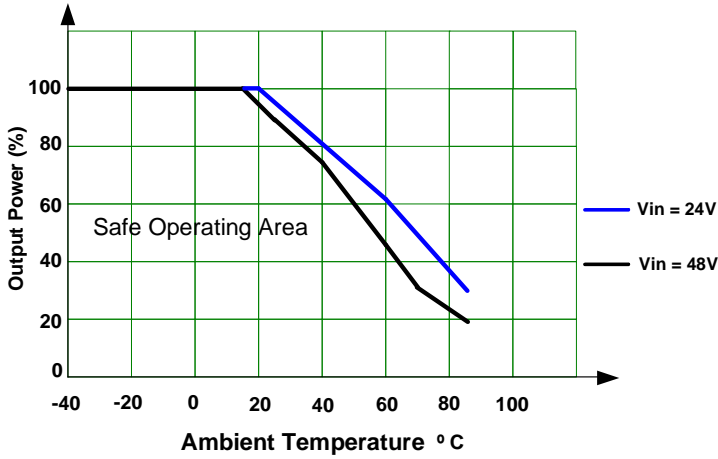
AM100QB-4805S-NZ



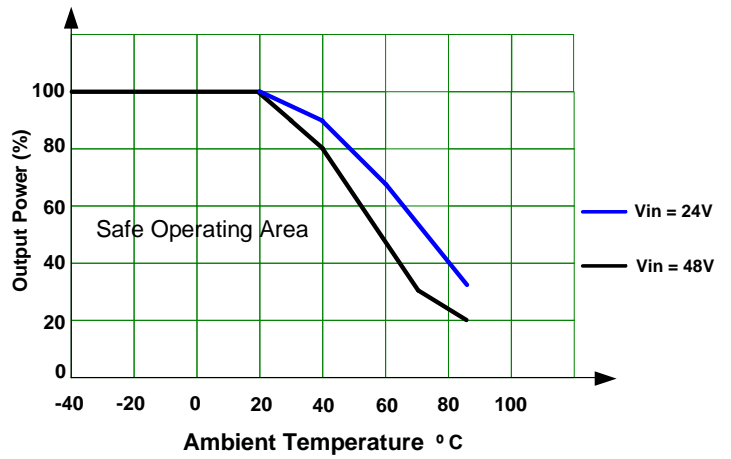
AM100QB-4805S-NZ With Optional Aluminum case



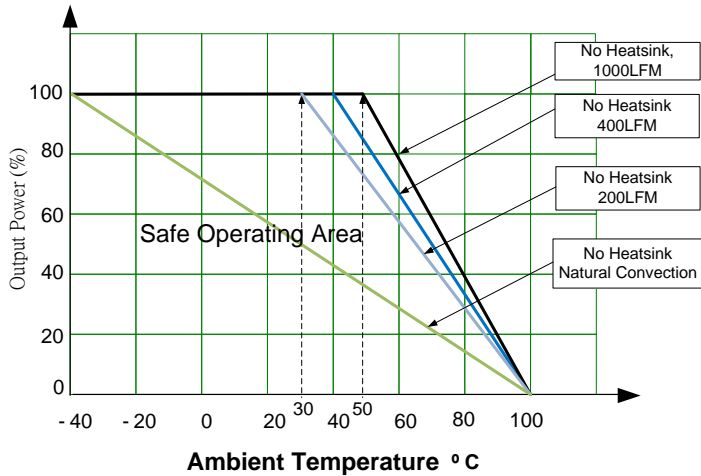
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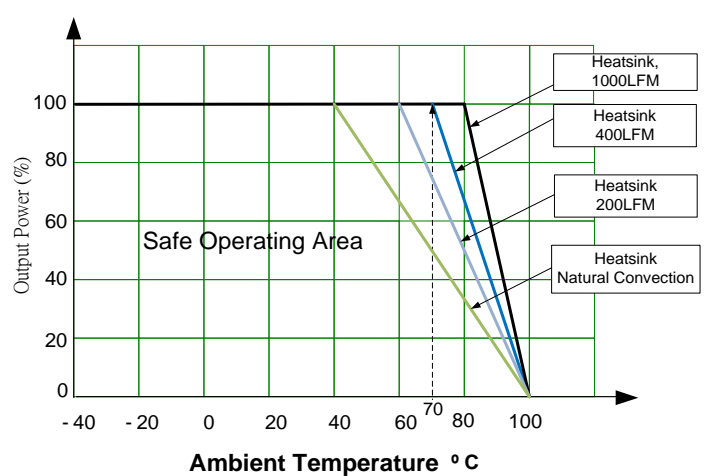
AM100QB-4812/15/24/48S-NZ With Optional Aluminum Case



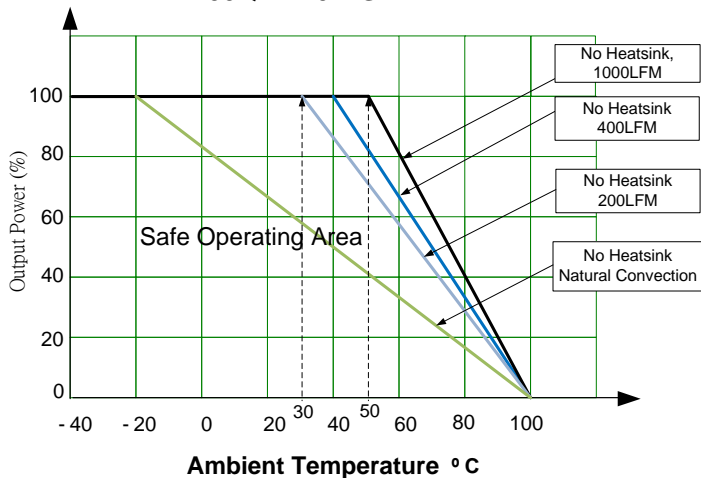
AM100QB-11012S-NZ



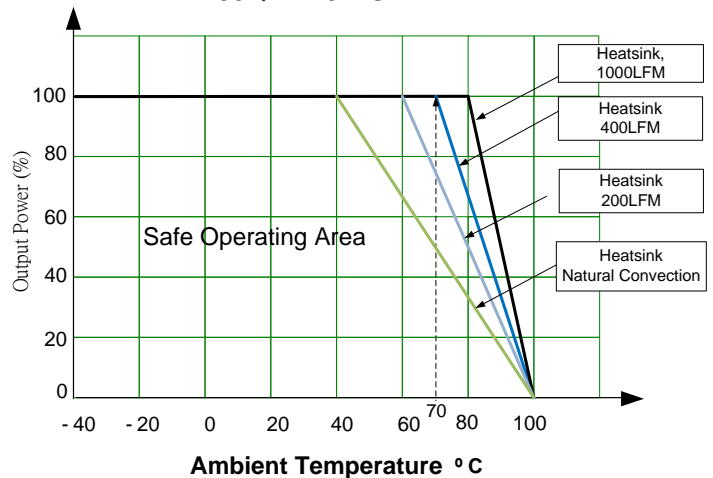
AM100QB-11012S-NZ-K



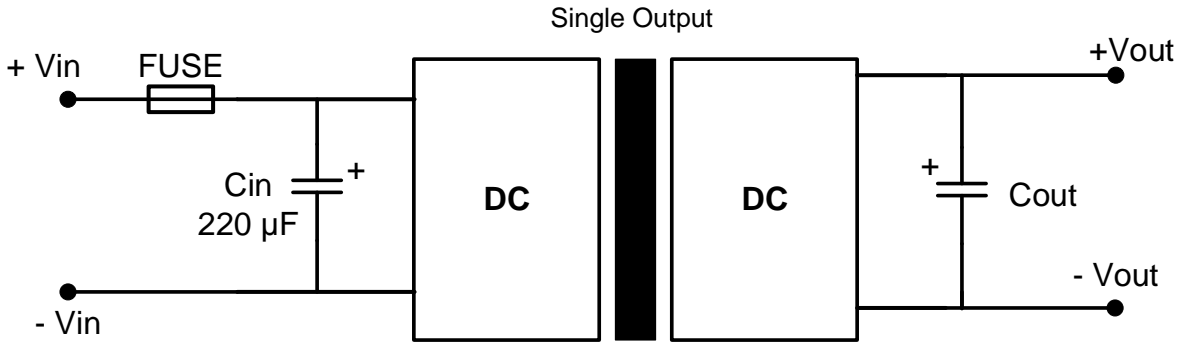
AM100QB-11024S-NZ



AM100QB-11024S-NZ-K

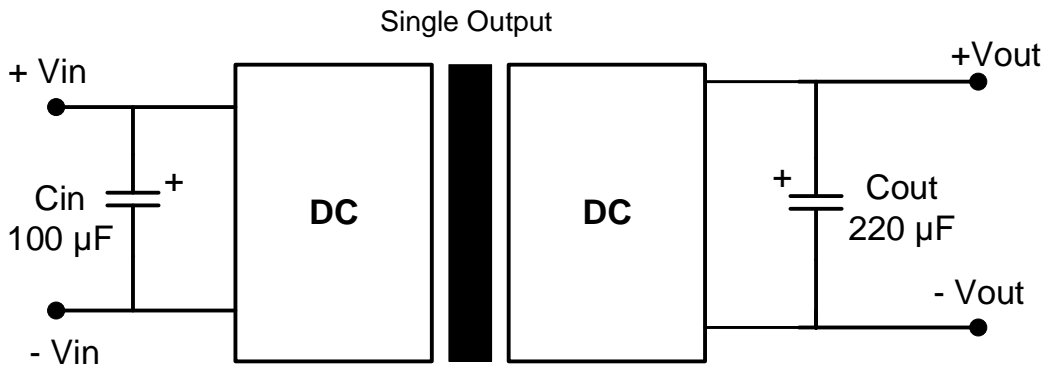


Typical Application Circuits
24V & 48V Models

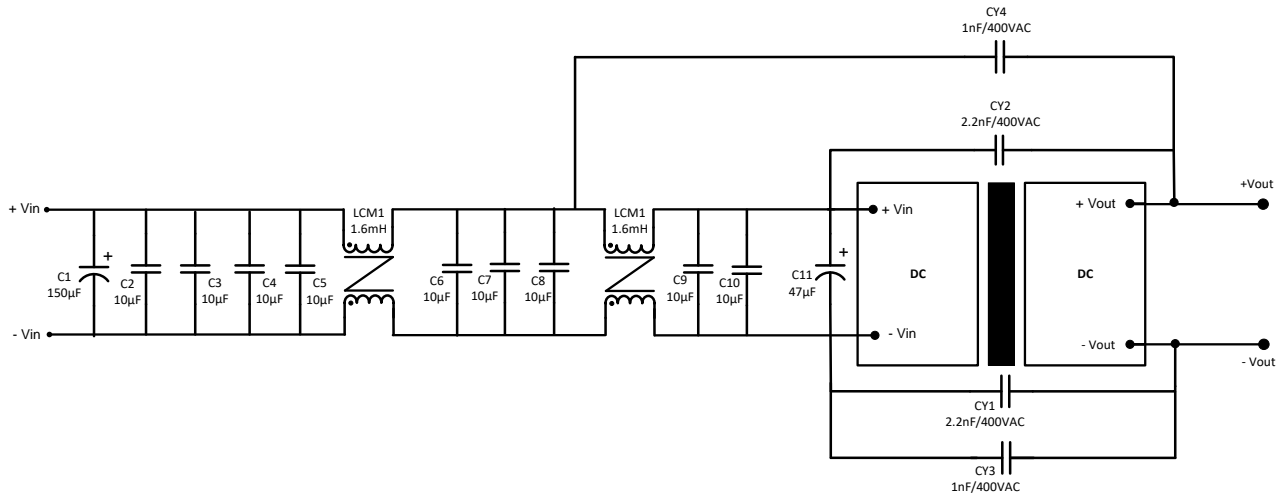


| Output | 5V | 12V/15V | 24V | 48V |
|--------|--|---------|--------|--------|
| Cout | 470 µF | 220 µF | 100 µF | 100 µF |
| FUSE | 20A for 24V models, 10A for 48V models | | | |

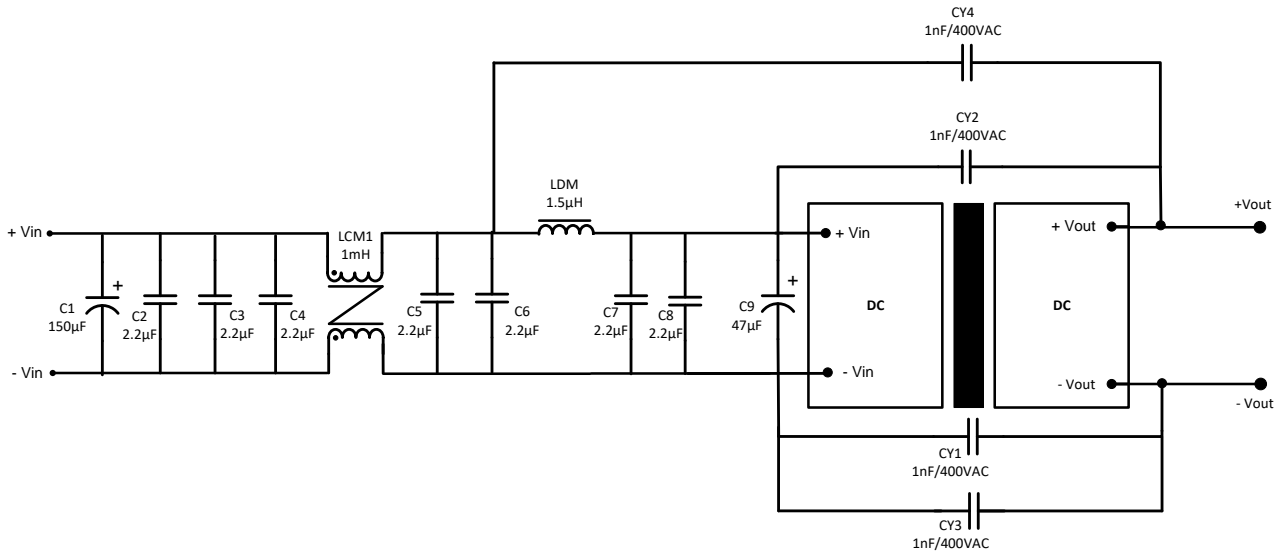
110V Models



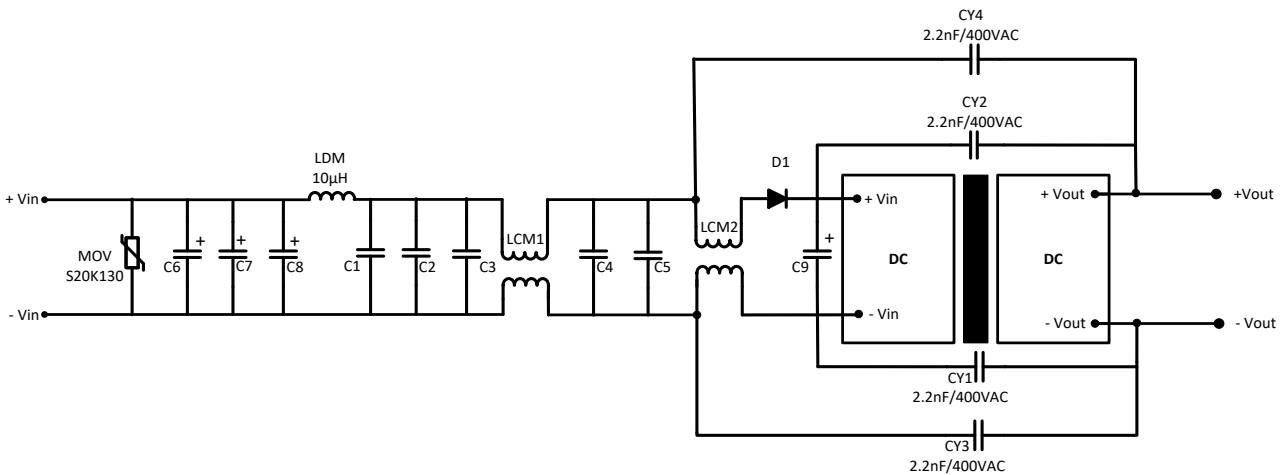
Recommended EMC Circuits
24V Models



48V Models



110V Models

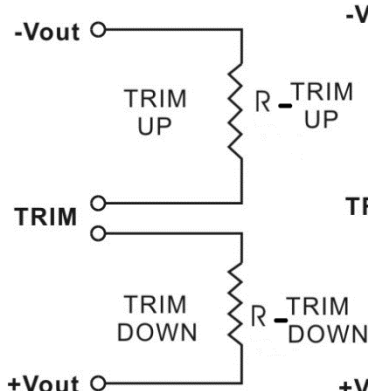


| | |
|--------------------|--------------------------------------|
| MOV | S20K130 (Varistor) |
| C6, C7, C8, C9 | 100uF/400V (Electrolytic Capacitor) |
| C1, C2, C3, C4, C5 | 2.2uF/250V |
| LDM | 10uH (Shielded Inductor) |
| LCM1 | 2200uH, 3.0A min. |
| LCM2 | 4400uH, 3.0A min. |
| D1 | SF306 |
| CY1, CY2, CY3, CY4 | 2.2nF / 400Vac (Y2 Safety Capacitor) |

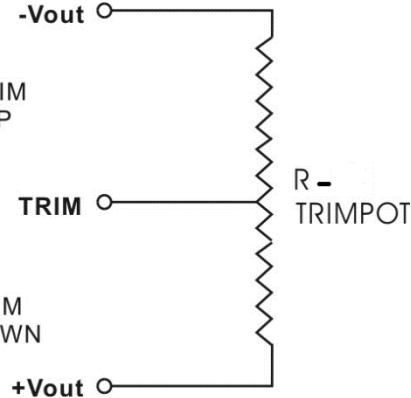
Trimming

Output voltage can be externally trimmed by utilizing the methods as shown below

Fixed Resistor



Variable Potentiometer



Leave open if not used.

AM100QB-xx05SH22-NZ, xx can be 24 or 48, 24V model can only be trimmed down to 9%, 48V model can only be trimmed down to 5%

| | | | | | | | | | | |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| Trim down % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Vout (VDC) | 4.95 | 4.9 | 4.85 | 4.8 | 4.75 | 4.7 | 4.65 | 4.6 | 4.55 | |
| Rt down (KΩ) | 82.978 | 46.049 | 29.637 | 20.360 | 14.396 | 10.240 | 7.177 | 4.827 | 2.966 | |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 5.05 | 5.1 | 5.15 | 5.2 | 5.25 | 5.3 | 5.35 | 5.4 | 5.45 | 5.5 |
| Rt up (KΩ) | 369.500 | 98.429 | 53.250 | 34.647 | 24.500 | 18.111 | 13.719 | 10.514 | 8.071 | 6.149 |

AM100QB-xx12SH22-NZ, xx can be 24 or 48, 48V model can only be trimmed down to 5%

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| Trim down % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 11.88 | 11.76 | 11.64 | 11.52 | 11.4 | 11.28 | 11.16 | 11.04 | 10.92 | 10.8 |
| Rt down (KΩ) | 496.092 | 301.452 | 212.527 | 161.585 | 128.573 | 105.442 | 88.332 | 75.164 | 64.716 | 56.223 |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 12.12 | 12.24 | 12.36 | 12.48 | 12.6 | 12.72 | 12.84 | 12.96 | 13.08 | 13.2 |
| Rt up (KΩ) | 706.435 | 158.920 | 83.879 | 54.075 | 38.077 | 28.095 | 21.274 | 16.317 | 12.552 | 9.595 |

AM100QB-xx15SH22-NZ, xx can be 24 or 48, 24V model can only be trimmed down to 9%, 48V model can only be trimmed down to 5%

| Trim down % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|-------|
| Vout (VDC) | 14.85 | 14.7 | 14.55 | 14.4 | 14.25 | 14.1 | 13.95 | 13.8 | 13.65 | |
| Rt down (KΩ) | 965.116 | 508.787 | 339.586 | 251.370 | 197.224 | 160.605 | 134.188 | 114.231 | 98.623 | |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 15.15 | 15.3 | 15.45 | 15.6 | 15.75 | 15.9 | 16.05 | 16.2 | 16.35 | 16.5 |
| Rt up (KΩ) | 269.667 | 113.379 | 67.878 | 46.190 | 33.499 | 25.168 | 19.279 | 14.896 | 11.507 | 8.808 |

AM100QB-xx24SH22-NZ, xx can be 24 or 48, 48V model can only be trimmed down to 5%

| Trim down % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Vout (VDC) | 23.76 | 23.52 | 23.28 | 23.04 | 22.8 | 22.56 | 22.32 | 22.08 | 21.84 | 21.6 |
| Rt down (KΩ) | 1289.000 | 794.923 | 568.667 | 438.904 | 354.754 | 295.763 | 252.115 | 218.514 | 191.847 | 170.170 |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 24.24 | 24.48 | 24.72 | 24.96 | 25.2 | 25.44 | 25.68 | 25.92 | 26.16 | 26.4 |
| Rt up (KΩ) | 819.689 | 182.714 | 97.138 | 63.264 | 45.107 | 33.788 | 26.057 | 20.440 | 16.176 | 12.827 |

AM100QB-2428SH22-NZ

| Trim down % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| Vout (VDC) | 27.72 | 27.44 | 27.16 | 26.88 | 26.6 | 26.32 | 26.04 | 25.76 | 25.48 | 25.2 |
| Rt down (KΩ) | 1893.257 | 1078.622 | 746.260 | 565.720 | 452.316 | 374.471 | 317.728 | 274.529 | 240.544 | 213.107 |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 28.28 | 28.56 | 28.84 | 29.12 | 29.4 | 29.68 | 29.96 | 30.24 | 30.52 | 30.8 |
| Rt up (KΩ) | 404.380 | 145.773 | 84.449 | 56.989 | 41.413 | 31.378 | 24.374 | 19.208 | 15.240 | 12.097 |

AM100QB-2448SH22-NZ

| Trim down % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| Vout (VDC) | 47.52 | 47.04 | 46.56 | 46.08 | 45.6 | 45.12 | 44.64 | 44.16 | 43.68 | 43.2 |
| Rt down (KΩ) | 3048.697 | 1860.498 | 1328.208 | 1026.195 | 831.601 | 695.770 | 595.575 | 518.620 | 457.658 | 408.174 |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 48.48 | 48.96 | 49.44 | 49.92 | 50.4 | 50.88 | 51.36 | 51.84 | 52.32 | 52.8 |
| Rt up (KΩ) | 717.550 | 185.538 | 101.170 | 66.769 | 48.087 | 36.354 | 28.301 | 22.432 | 17.963 | 14.448 |

AM100QB-4848SH22-NZ, can only be trimmed down to 5%

| Trim down % | 1 | 2 | 3 | 4 | 5 | | | | | |
|--------------|----------|----------|----------|----------|---------|--------|--------|--------|--------|--------|
| Vout (VDC) | 47.52 | 47.04 | 46.56 | 46.08 | 45.6 | | | | | |
| Rt down (KΩ) | 4953.999 | 2443.889 | 1606.786 | 1188.160 | 936.961 | | | | | |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 48.48 | 48.96 | 49.44 | 49.92 | 50.4 | 50.88 | 51.36 | 51.84 | 52.32 | 52.8 |
| Rt up (KΩ) | 261.328 | 123.114 | 77.065 | 54.045 | 40.234 | 31.027 | 24.451 | 19.519 | 15.684 | 12.615 |

AM100QB-11012S-NZ

| | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| Trim down % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 11.88 | 11.76 | 11.64 | 11.52 | 11.4 | 11.28 | 11.16 | 11.04 | 10.92 | 10.8 |
| Rt down (KΩ) | 496.091 | 301.451 | 212.527 | 161.585 | 128.573 | 105.441 | 88.332 | 75.163 | 64.715 | 56.223 |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 12.12 | 12.24 | 12.36 | 12.48 | 12.6 | 12.72 | 12.84 | 12.96 | 13.08 | 13.2 |
| Rt up (KΩ) | 706.435 | 158.920 | 83.878 | 54.074 | 38.076 | 28.095 | 21.274 | 16.316 | 12.551 | 9.594 |

AM100QB-11024S-NZ

| | | | | | | | | | | |
|--------------|----------|---------|---------|---------|---------|---------|---------|--------|---------|---------|
| Trim down % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 23.76 | 23.52 | 23.28 | 23.04 | 22.8 | 22.56 | 22.32 | 22.08 | 21.84 | 21.6 |
| Rt down (KΩ) | 1289.521 | 792.049 | 564.771 | 434.571 | 350.197 | 291.076 | 247.346 | 213.69 | 186.986 | 165.281 |
| Trim up % | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Vout (VDC) | 24.24 | 24.48 | 24.72 | 24.96 | 25.2 | 25.44 | 25.68 | 25.92 | 26.16 | 26.4 |
| Rt up (KΩ) | 795.55 | 176.609 | 91.778 | 58.086 | 40.001 | 28.717 | 21.006 | 15.402 | 11.146 | 7.803 |

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