

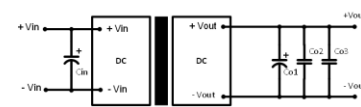
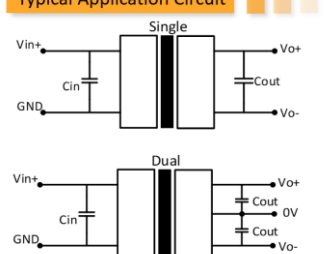
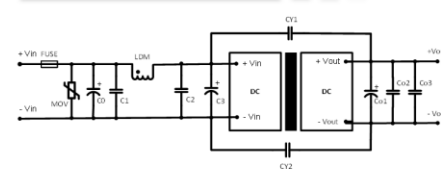
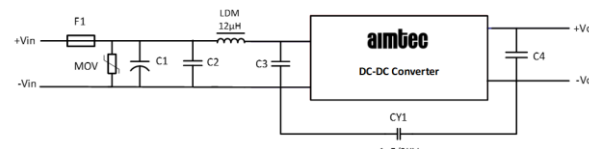
September 4th, 2026

Product Change Notification

PCN #:	AM20260904-2
Issue Date:	September 4 th , 2026
Products series affected:	AM3TW-LPZ series
Product list:	AM3TW-2403SLPZ, AM3TW-2405SLPZ, AM3TW-2409SLPZ, AM3TW-2412SLPZ, AM3TW-2415SLPZ, AM3TW-2424SLPZ, AM3TW-4803SLPZ, AM3TW-4805SLPZ, AM3TW-4809SLPZ, AM3TW-4812SLPZ, AM3TW-4815SLPZ, AM3TW-4824SLPZ, AM3TW-2405DLPZ, AM3TW-2412DLPZ, AM3TW-2415DLPZ, AM3TW-4805DLPZ, AM3TW-4812DLPZ, AM3TW-4815DLPZ
Effective Date:	All part numbers listed in the above product list from the AM3TW-LPZ series shipping from Aimtec as of the issue date of this PCN.
Description of change:	The AM3TW-LPZ series has been updated as described in ANNEX 1 and ANNEX 2. ANNEX 1 applies to all part numbers listed in the above product list. The affected models have been updated with revised efficiency, isolation voltage, isolation capacitance, ripple & noise, switching frequency, load regulation, transient recovery time, transient recovery deviation, typical application circuit and EMC recommended circuit specifications. ANNEX 2 provides details of parameter specific updates. Each change is applicable only to the identified models or model groups. The revised specifications for input current and maximum capacitive load are detailed in ANNEX 2.
Reason for change:	These changes have been implemented due to the EOL of critical raw materials.
Customer Impact:	Certain customers may be impacted by these changes in the specifications. Aimtec recommends reviewing the datasheet and testing samples as necessary.
Package Diagram:	N/A

ANNEX 1

Changes applicable to all part numbers listed in the product list

Parameter	Updated AM3TW-LPZ	OLD AM3TW-LPZ																																							
Efficiency	74~82% typ.	75~83% typ.																																							
Isolation voltage	Input/Output, 60 sec, leakage <1mA: ≥1600VDC typ.	Input/Output, 60 sec, leakage <1mA: ≥1500VDC typ.																																							
Isolation capacitance	100KHz/0.1V: 1000pF typ.	100KHz/0.1V: 120pF typ.																																							
Ripple & noise	50mV p-p typ. 120mV p-p max.	50mV p-p typ. 100mV p-p max.																																							
Switching frequency	300KHz typ.	250KHz typ.																																							
Load regulation	Positive output, 5 ~ 100% load: ±1.0% typ. ±1.5% max. Negative output, 5 ~ 100% load: ±2.0% typ. ±3.0% max.	Positive output, 5 ~ 100% load: ±0.5% typ. ±1.0% max. Negative output, 5 ~ 100% load: ±0.5% typ. ±1.5% max.																																							
Transient recovery time	25% load step change: 0.3mS typ. 0.5mS max.	25% load step change: 500μS typ. 3000μS max.																																							
Transient response deviation	3.3/5Vout, 25% load step change: ±5% typ. ±8% max. Others, 25% load step change: ±3% typ. ±5% max.	25% load step change: ±2% typ. ±5% max.																																							
Typical application circuit	Typical Application Circuit All models are tested before delivery using this circuit. Input or output ripple can be further lowered by increasing the input and output capacitor values but make sure the total capacitance value does not exceed the specified max capacitive load. For dual output models, the recommended output capacitor values apply to each output.  <table><thead><tr><th>Vout</th><th>Cin</th><th>C01</th><th>C02</th><th>C03</th></tr></thead><tbody><tr><td>3.3/ 5/ 6V</td><td>100μF, 100V</td><td>47μF, 16V</td><td>10μF, 50V</td><td>0.1μF, 16V</td></tr><tr><td>9/ 12/ 15V</td><td>100μF, 100V</td><td>47μF, 25V</td><td>10μF, 50V</td><td>0.1μF, 25V</td></tr><tr><td>18/ 24/ 28V</td><td>100μF, 100V</td><td>47μF, 50V</td><td>10μF, 50V</td><td>0.1μF, 50V</td></tr></tbody></table>	Vout	Cin	C01	C02	C03	3.3/ 5/ 6V	100μF, 100V	47μF, 16V	10μF, 50V	0.1μF, 16V	9/ 12/ 15V	100μF, 100V	47μF, 25V	10μF, 50V	0.1μF, 25V	18/ 24/ 28V	100μF, 100V	47μF, 50V	10μF, 50V	0.1μF, 50V	Typical Application Circuit  <table><thead><tr><th>Input Voltage</th><th>24, 48V</th></tr></thead><tbody><tr><td>Cin</td><td>10-47μF/100V</td></tr><tr><td>Cout</td><td>10μF/50V</td></tr></tbody></table>	Input Voltage	24, 48V	Cin	10-47μF/100V	Cout	10μF/50V													
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EMC recommended circuit	EMC Recommended Circuit  <table><thead><tr><th>Vin</th><th>MOV</th><th>C0, C3</th><th>C1, C2</th><th>LDM</th><th>CY1, CY2</th></tr></thead><tbody><tr><td>12V</td><td>140270K</td><td>680μF, 25V</td><td>4.7μF, 50V</td><td>12μH</td><td>1nF, 2KV for LPZ model 1nF, 3KV for H30LPZ model</td></tr><tr><td>24V</td><td>200470K</td><td>330μF, 50V</td><td>4.7μF, 50V</td><td>12μH</td><td>1nF, 2KV for LPZ model 1nF, 3KV for H30LPZ model</td></tr><tr><td>48V</td><td>14D101K</td><td>330μF, 100V</td><td>4.7μF, 100V</td><td>12μH</td><td>1nF, 2KV for LPZ model 1nF, 3KV for H30LPZ model</td></tr></tbody></table> Fuse selection should be based on application needs. For output component spec please refer to "Typical application circuit"	Vin	MOV	C0, C3	C1, C2	LDM	CY1, CY2	12V	140270K	680μF, 25V	4.7μF, 50V	12μH	1nF, 2KV for LPZ model 1nF, 3KV for H30LPZ model	24V	200470K	330μF, 50V	4.7μF, 50V	12μH	1nF, 2KV for LPZ model 1nF, 3KV for H30LPZ model	48V	14D101K	330μF, 100V	4.7μF, 100V	12μH	1nF, 2KV for LPZ model 1nF, 3KV for H30LPZ model	EMC Recommended Circuit  <table><thead><tr><th>Vin</th><th>MOV</th><th>C1</th><th>C2, C3</th><th>C4</th></tr></thead><tbody><tr><td>24VDC</td><td>S20K30</td><td>330μF/50V</td><td>4.7μF/50V</td><td>10μF/50V</td></tr><tr><td>48VDC</td><td>S14K60</td><td>330μF/100V</td><td>4.7μF/100V</td><td>10μF/50V</td></tr></tbody></table> Fuse chose according to actual input current	Vin	MOV	C1	C2, C3	C4	24VDC	S20K30	330μF/50V	4.7μF/50V	10μF/50V	48VDC	S14K60	330μF/100V	4.7μF/100V	10μF/50V
Vin	MOV	C0, C3	C1, C2	LDM	CY1, CY2																																				
12V	140270K	680μF, 25V	4.7μF, 50V	12μH	1nF, 2KV for LPZ model 1nF, 3KV for H30LPZ model																																				
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Vin	MOV	C1	C2, C3	C4																																					
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48VDC	S14K60	330μF/100V	4.7μF/100V	10μF/50V																																					

ANNEX 2

Changes applicable to specific models or model groups

Parameter	Updated AM3TW-LPZ	OLD AM3TW-LPZ
Input current Full/No load	24Vin models: 156/15mA typ. 48Vin models: 81/5mA typ.	24Vin models: 155/10mA typ. 48Vin models: 77/8mA typ.
Maximum capacitive load	3.3Vout, single output models: 4700 μ F 5Vout, single output models: 4700 μ F 9Vout, single output models: 2700 μ F 12Vout, single output models: 2700 μ F 15Vout, single output models: 2200 μ F 24Vout, single output models: 1800 μ F 5Vout, dual output models: 2200 μ F 12Vout, dual output models: 1800 μ F 15Vout, dual output models: 1000 μ F	3.3Vout, single output models: 2700 μ F 5Vout, single output models: 2200 μ F 9Vout, single output models: 1000 μ F 12Vout, single output models: 680 μ F 15Vout, single output models: 680 μ F 24Vout, single output models: 470 μ F 5Vout, dual output models: 1000 μ F 12Vout, dual output models: 330 μ F 15Vout, dual output models: 220 μ F