

October 7th, 2026

Product Change Notification

PCN #: AM20261007-1**Issue Date:** October 7th, 2026**Products series affected:** AM6TW-LPZ series

Product list: AM6TW-2403SLPZ, AM6TW-2405SLPZ, AM6TW-2409SLPZ, AM6TW-2412SLPZ, AM6TW-2415SLPZ, AM6TW-2424SLPZ, AM6TW-4803SLPZ, AM6TW-4805SLPZ, AM6TW-4809SLPZ, AM6TW-4812SLPZ, AM6TW-4815SLPZ, AM6TW-4824SLPZ, AM6TW-2403SH30LPZ, AM6TW-2405SH30LPZ, AM6TW-2409SH30LPZ, AM6TW-2412SH30LPZ, AM6TW-2415SH30LPZ, AM6TW-2424SH30LPZ, AM6TW-4803SH30LPZ, AM6TW-4805SH30LPZ, AM6TW-4809SH30LPZ, AM6TW-4812SH30LPZ, AM6TW-4815SH30LPZ, AM6TW-4824SH30LPZ, AM6TW-2405SH60LPZ, AM6TW-2406SH60LPZ, AM6TW-2409SH60LPZ, AM6TW-2412SH60LPZ, AM6TW-2415SH60LPZ, AM6TW-2418SH60LPZ, AM6TW-2424SH60LPZ, AM6TW-4805SH60LPZ, AM6TW-4809SH60LPZ, AM6TW-4812SH60LPZ, AM6TW-4815SH60LPZ, AM6TW-4824SH60LPZ, AM6TW-2405DLPZ, AM6TW-2409DLPZ, AM6TW-2412DLPZ, AM6TW-2415DLPZ, AM6TW-2424DLPZ, AM6TW-4805DLPZ, AM6TW-4812DLPZ, AM6TW-4815DLPZ, AM6TW-2405DH30LPZ, AM6TW-2409DH30LPZ, AM6TW-2412DH30LPZ, AM6TW-2415DH30LPZ, AM6TW-2424DH30LPZ, AM6TW-4805DH30LPZ, AM6TW-4812DH30LPZ, AM6TW-4815DH30LPZ.

Effective Date: All part numbers listed in the above product list from the AM6TW-LPZ series shipping from Aimtec as of the issue date of this PCN.

Description of change: The AM6TW-LPZ series has been updated as described in ANNEX 1 and ANNEX 2.

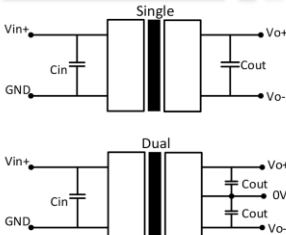
ANNEX 1 applies to all part numbers listed in the above product list. The affected models have been updated with revised efficiency, input current, input filter, reflected input ripple current, load regulation, ripple & noise, over current protection, isolation capacitance, typical application circuit and EMC recommended circuit specifications.

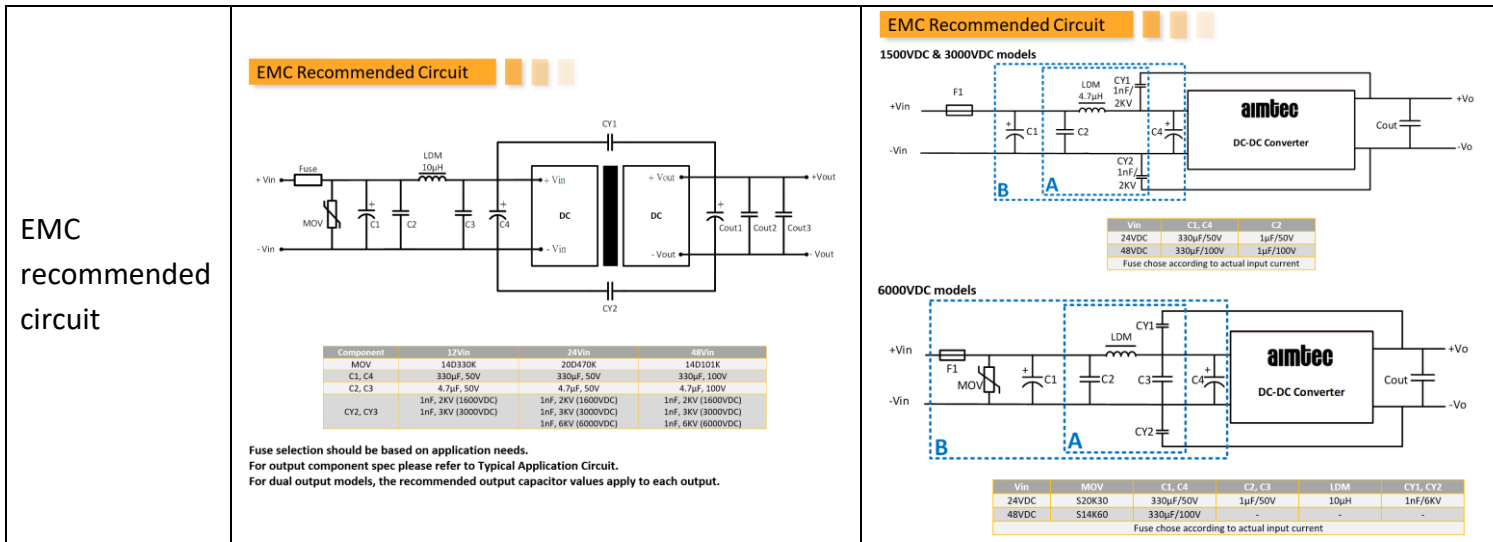
ANNEX 2 provides details of parameter specific updates. Each change is applicable only to the identified models or model groups. The revised specifications for isolation voltage, weight, dimensions and maximum capacitive load are detailed in ANNEX 2.

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 AM6TW-LPZ	OLD AM6TW-LPZ																																															
Efficiency	82~87% typ.	77~88% typ.																																															
Input current	24Vin models: 309mA max. 48Vin models: 156mA max.	24Vin models: 269~309mA max. 48Vin models: 131~156mA max.																																															
No load input current	24Vin models: 20mA max. 48Vin models: 15mA max.	24Vin models: 5~10mA max. 48Vin models: 4mA max.																																															
Input filter	π (Pi) Network	Capacitor																																															
Reflected input ripple current	30mA typ.	20mA typ.																																															
Load regulation	5~100% load negative Vout: $\pm 1\%$ typ. $\pm 3\%$ max.	5~100% load negative Vout: $\pm 0.5\%$ typ. $\pm 1.5\%$ max.																																															
Ripple & noise	SLPZ/DLPZ models: 40mV p-p typ. 80mV p-p max. SH30/DH30 models: 40mV p-p typ. 80mV p-p max. SH60 models: 80mV p-p typ. 150mV p-p max.	SLPZ/DLPZ models: 50mV p-p typ. 100mV p-p max. SH30/DH30 models: 85mV p-p typ. 120mV p-p max. SH60 models: 100mV p-p typ. 180mV p-p max.																																															
Over current protection	SLPZ/DLPZ models: 160% Iout typ. SH30/DH30 models: 160% Iout typ. SH60 models: 160% Iout typ.	SLPZ/DLPZ models: 140% Iout typ. SH30/DH30 models: 140% Iout typ. SH60 models: 150% Iout typ.																																															
Isolation capacitance	SLPZ/DLPZ/SH30/DH30 models: 2200pF typ. SH60 models: 10pF typ.	SLPZ/DLPZ/SH30/DH30 models: 1000pF typ. SH60 models: 13pF typ.																																															
Typical application circuit	Typical Application Circuit  <table><thead><tr><th>Vout</th><th>Cin</th><th>Cout1</th><th>Cout2</th><th>Cout3</th></tr></thead><tbody><tr><td>3.3V/5V/6V</td><td>100μF, 100V</td><td>47μF, 16V</td><td>10μF, 50V</td><td>0.1μF, 16V</td></tr><tr><td>9V/12V/15V</td><td>100μF, 100V</td><td>47μF, 25V</td><td>10μF, 50V</td><td>0.1μF, 25V</td></tr><tr><td>18V/24V</td><td>100μF, 100V</td><td>47μF, 50V</td><td>10μF, 50V</td><td>0.1μF, 50V</td></tr></tbody></table>	Vout	Cin	Cout1	Cout2	Cout3	3.3V/5V/6V	100 μ F, 100V	47 μ F, 16V	10 μ F, 50V	0.1 μ F, 16V	9V/12V/15V	100 μ F, 100V	47 μ F, 25V	10 μ F, 50V	0.1 μ F, 25V	18V/24V	100 μ F, 100V	47 μ F, 50V	10 μ F, 50V	0.1 μ F, 50V	Typical Application Circuit  <table><thead><tr><th>Vin</th><th>Cin</th></tr></thead><tbody><tr><td>24VDC</td><td>220μF/50V</td></tr><tr><td>48VDC</td><td>10-47μF/100V</td></tr></tbody></table> <table><thead><tr><th>Single Vout</th><th>Cout</th></tr></thead><tbody><tr><td>3.3VDC</td><td rowspan="6">10μF/50V</td></tr><tr><td>5VDC</td></tr><tr><td>6VDC</td></tr><tr><td>9VDC</td></tr><tr><td>12VDC</td></tr><tr><td>15VDC</td></tr><tr><td>18VDC</td><td rowspan="2">10μF/50V</td></tr><tr><td>24VDC</td></tr></tbody></table> <table><thead><tr><th>Dual Vout</th><th>Cout</th></tr></thead><tbody><tr><td>± 5VDC</td><td rowspan="4">10μF/50V</td></tr><tr><td>± 9VDC</td></tr><tr><td>± 12VDC</td></tr><tr><td>± 15VDC</td></tr><tr><td>± 24VDC</td><td></td></tr></tbody></table>	Vin	Cin	24VDC	220 μ F/50V	48VDC	10-47 μ F/100V	Single Vout	Cout	3.3VDC	10 μ F/50V	5VDC	6VDC	9VDC	12VDC	15VDC	18VDC	10 μ F/50V	24VDC	Dual Vout	Cout	± 5 VDC	10 μ F/50V	± 9 VDC	± 12 VDC	± 15 VDC	± 24 VDC	
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ANNEX 2

Changes applicable to specific models or model groups

Parameter	Updated AM6TW-LPZ	OLD AM6TW-LPZ
Isolation voltage	SLPZ/DLPZ models: 1600VDC typ.	SLPZ/DLPZ models: 1500VDC typ.
Weight	SLPZ/DLPZ models: 12g typ. SH30/DH30 models: 12g typ.	SLPZ/DLPZ models: 14g typ. SH30/DH30 models: 13g typ.
Dimensions	SH30/DH30 models: 1.26 x 0.80 x 0.40 inches (32.0 x 20.3 x 10.2 mm) SH60 models: 1.26 x 0.80 x 0.50 inches (32.0 x 20.3 x 12.6 mm)	SH30/DH30 models: 1.26 x 0.79 x 0.47 inches (32.0 x 20.0 x 12.0 mm) SH60 models: 1.26 x 0.79 x 0.47 inches (32.0 x 20.0 x 12.0 mm)
Maximum capacitive load	SLPZ/SH30 5Vout models: 1200µF SH60 5Vout models: 1200µF SH60 6Vout models: 1000µF SLPZ/SH30 9Vout models: 1000µF DLPZ/DH30 9Vout models: ±330µF SH60 9Vout models: 1000µF SH60 12Vout models: 470µF SH60 15Vout models: 220µF SH60 18Vout models: 150µF SH60 24Vout models: 100µF	SLPZ/SH30 5Vout models: 1000µF SH60 5Vout models: 2700µF SH60 6Vout models: 2200µF SLPZ/SH30 9Vout models: 680µF DLPZ/DH30 9Vout models: ±220µF SH60 9Vout models: 1800µF SH60 12Vout models: 1000µF SH60 15Vout models: 680µF SH60 18Vout models: 1200µF SH60 24Vout models: 470µF