

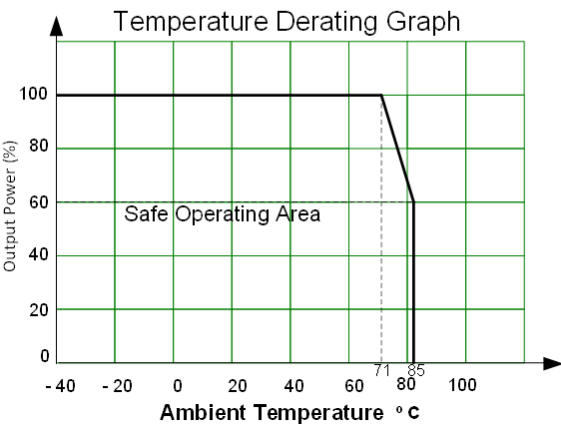
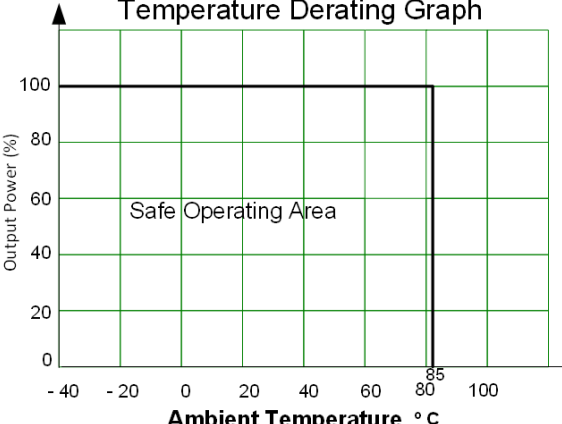
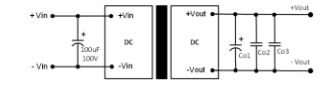
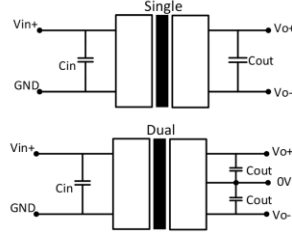
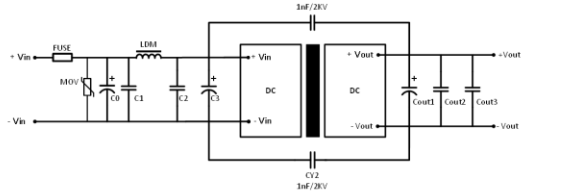
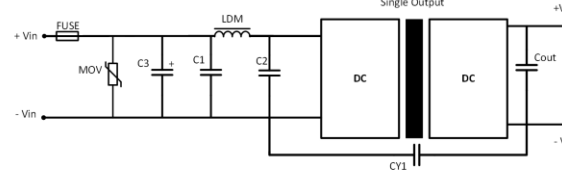
July 3rd, 2026

Product Change Notification

PCN #:	AM20260703-1
Issue Date:	July 3 rd , 2026
Products series affected:	AM3T-LPZ series
Product list:	All part numbers from the AM3T-LPZ series.
Effective Date:	All part numbers from the AM3T-LPZ series shipping from Aimtec as of the issue date of this PCN.
Description of change:	All part numbers listed in the above product list from the AM3T-LPZ series have their input current, maximum capacitive load, efficiency, tested isolation voltage, voltage tolerance, line regulation, load regulation, ripple & noise, transient recovery time, transient recovery deviation, switching frequency, over current protection, over voltage protection, humidity, weight, derating, typical application circuit and recommended EMC circuit updated as per the details provided in the following ANNEX 1.
Reason for change:	This change has 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

Parameter	Updated AM3T-LPZ	OLD AM3T-LPZ
Input current no load	5Vin: 50mA	5Vin: 40mA
Input current full load	24Vin: 156mA 48Vin: 81mA	24Vin: 152mA 48Vin: 77mA
Maximum capacitive load	AM3T-0509DLPZ: 2000 μ F	AM3T-0509DLPZ: 1800 μ F
Efficiency	74~82% typ.	74~86% typ.
Tested isolation voltage	≥ 1600 VDC typ.	≥ 1500 VDC typ.
Voltage tolerance	0~100% load, positive output: $\pm 1\%$ typ. $\pm 3\%$ max. 0~100% load, negative output: $\pm 2\%$ typ. $\pm 5\%$ max.	5~100% load: $\pm 1\%$ typ. $\pm 3\%$ max. No load: $\pm 1.5\%$ typ. $\pm 5\%$ max.
Line regulation	Full load, positive output: $\pm 0.2\%$ typ. $\pm 0.5\%$ max. Full load, negative output: $\pm 0.5\%$ typ. $\pm 1.0\%$ max.	Full load: $\pm 0.2\%$ typ. $\pm 0.5\%$ max.
Load regulation	5% load, positive output: $\pm 0.5\%$ typ. $\pm 1.0\%$ max. 5% load, negative output: $\pm 1.0\%$ typ. $\pm 3.0\%$ max.	5~100% load: $\pm 0.2\%$ typ. $\pm 0.5\%$ max.
Ripple & Noise	5~100% load: 50mV pk-pk typ. 120mV pk-pk max.	24Vout model: 100mV pk-pk typ. 120mV pk-pk max. others: 60mV pk-pk typ. 100mV pk-pk max.
Transient recovery time	25% load step change: 0.3ms typ. 0.5ms max.	25% load step change: 500ms typ. 2000ms max.
Transient recovery deviation	25% load step change, 3.3/5/6Vout models: $\pm 5\%$ typ. $\pm 8\%$ max. 25% load step change, others: $\pm 3\%$ typ. $\pm 5\%$ max.	25% load step change: $\pm 2\%$ typ. $\pm 5\%$ max.
Switching frequency	300KHz	250KHz
Over current protection	110%Io min. 160% Io typ.	N/A
Over voltage protection	110%Io min. 160% Vo max.	N/A
Humidity	Non-condensing: 5% RH min. 95% RH max.	Non-condensing: 95% RH max.
Weight	12g typ.	14g typ.

Derating	Derating 	Derating 																																																																	
Typical application circuit	Typical Application Circuit <table><tr><th>Vin</th><th>Co1</th><th>Co2</th><th>Co3</th></tr><tr><td>3.3, 5, 6V</td><td>47µF, 16V</td><td>10µF, 50V</td><td>0.1µF, 16V</td></tr><tr><td>9, 12, 15V</td><td>47µF, 25V</td><td>10µF, 50V</td><td>0.1µF, 25V</td></tr><tr><td>18, 24, 28V</td><td>47µF, 50V</td><td>10µF, 50V</td><td>0.1µF, 50V</td></tr></table> For dual output models, the recommended output values apply to each output.	Vin	Co1	Co2	Co3	3.3, 5, 6V	47µF, 16V	10µF, 50V	0.1µF, 16V	9, 12, 15V	47µF, 25V	10µF, 50V	0.1µF, 25V	18, 24, 28V	47µF, 50V	10µF, 50V	0.1µF, 50V	Typical application circuit <table><tr><th>Vin</th><th>Cin</th><th>Cout</th></tr><tr><td>5VDC</td><td>100µF</td><td></td></tr><tr><td>12VDC</td><td>100µF</td><td></td></tr><tr><td>24VDC</td><td>10-47µF</td><td>10µF</td></tr><tr><td>48VDC</td><td>10-47µF</td><td></td></tr></table>	Vin	Cin	Cout	5VDC	100µF		12VDC	100µF		24VDC	10-47µF	10µF	48VDC	10-47µF																																			
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