

September 11th, 2026

Product Change Notification

PCN #:	AM20260911-1
Issue Date:	September 11 th , 2026
Products series affected:	AM3GH-LPZ series
Product list:	AM3GH-1203SLPZ, AM3GH-1205SLPZ, AM3GH-1212SLPZ, AM3GH-1215SLPZ, AM3GH-2403SLPZ, AM3GH-2405SLPZ, AM3GH-2409SLPZ, AM3GH-2412SLPZ, AM3GH-2415SLPZ, AM3GH-2424SLPZ, AM3GH-4803SLPZ, AM3GH-4805SLPZ, AM3GH-4812SLPZ, AM3GH-4815SLPZ, AM3GH-4824SLPZ, AM3GH-1203SH30LPZ, AM3GH-1205SH30LPZ, AM3GH-1212SH30LPZ, AM3GH-1215SH30LPZ, AM3GH-2403SH30LPZ, AM3GH-2405SH30LPZ, AM3GH-2409SH30LPZ, AM3GH-2412SH30LPZ, AM3GH-2415SH30LPZ, AM3GH-2424SH30LPZ, AM3GH-4803SH30LPZ, AM3GH-4805SH30LPZ, AM3GH-4812SH30LPZ, AM3GH-4815SH30LPZ, AM3GH-4824SH30LPZ, AM3GH-1205DLPZ, AM3GH-1212DLPZ, AM3GH-1215DLPZ, AM3GH-2405DLPZ, AM3GH-2412DLPZ, AM3GH-2415DLPZ, AM3GH-4805DLPZ, AM3GH-4812DLPZ, AM3GH-4815DLPZ, AM3GH-1205DH30LPZ, AM3GH-1212DH30LPZ, AM3GH-1215DH30LPZ, AM3GH-2405DH30LPZ, AM3GH-2412DH30LPZ, AM3GH-2415DH30LPZ, AM3GH-4805DH30LPZ, AM3GH-4812DH30LPZ, AM3GH-4815DH30LPZ.
Effective Date:	All part numbers listed in the above product list from the AM3GH-LPZ series shipping from Aimtec as of the issue date of this PCN.
Description of change:	The AM3GH-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 reflected ripple current, on/off control, voltage accuracy, line regulation, load regulation, transient recovery time, ripple & noise, over current protection, operating temperature, derating, 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 output current, maximum capacitive load, isolation voltage, transient response deviation, switching frequency and electrostatic discharge immunity are detailed in ANNEX 2.

Reason for change: These changes have been implemented due to the EOL of critical raw materials.

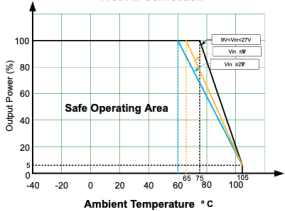
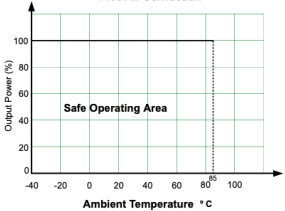
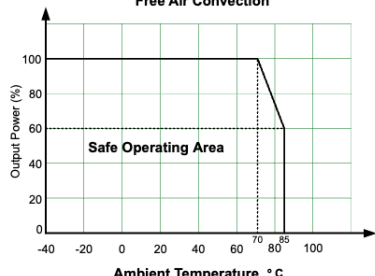
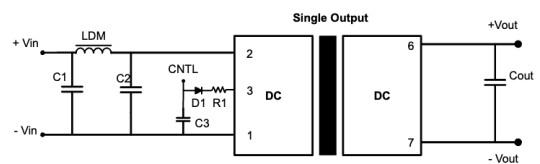
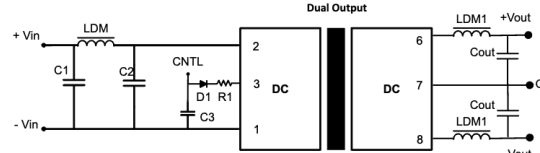
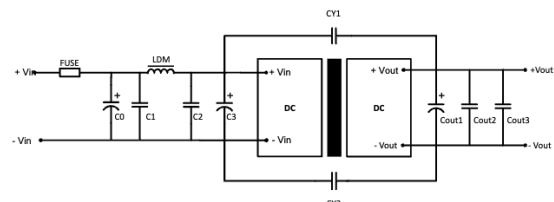
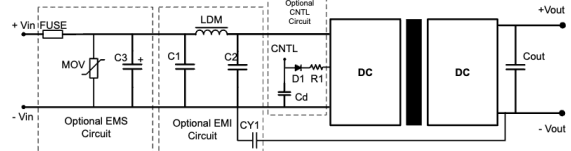
Customer Impact: Certain customers may be impacted by these changes in the specifications. Aimtec recommends reviewing the datasheet and testing samples as necessary.

Package Diagram: N/A

ANNEX 1

Changes applicable to all part numbers listed in the product list

Parameter	Updated AM3GH-LPZ	OLD AM3GH-LPZ
Efficiency	77~83% typ.	74~82% typ.
Input current full load/no load	12Vin models: 309/25mA typ. 24Vin models: 154/15mA typ. 48Vin models: 79/5mA typ.	12Vin models: 306/60mA typ. 24Vin models: 140/25mA typ. 48Vin models: 82/15mA typ.
Input reflected ripple current	12Vin models: 30mA typ. 24/48Vin models: 55mA typ.	All models: 15mA typ.
ON/OFF control	ON: pin open or logic high (2.7V ~ 12V) OFF: pin grounded or logic low (0V ~ 1.2V) Ctrl pin current: 6mA typ. 10mA max.	ON: pin open or logic high (3.5V ~ 12V) OFF: pin grounded or logic low (0V ~ 0.7) Ctrl pin current: 5mA typ. 10mA max.
Voltage accuracy	5~100% load, positive output: $\pm 1\%$ typ. $\pm 3\%$ max. 5~100% load, negative output: $\pm 3\%$ typ. $\pm 5\%$ max.	5~100% load, 3.3/5V output: $\pm 2\%$ typ. $\pm 5\%$ max. 5~100% load, others: $\pm 1\%$ typ. $\pm 3\%$ max.
Line regulation	Full load, positive output: $\pm 0.5\%$ typ. $\pm 1.0\%$ max. Full load, negative output: $\pm 1.0\%$ typ. $\pm 2.0\%$ max.	Full load: $\pm 0.3\%$ typ. $\pm 0.5\%$ max.
Load regulation	5~100% load: $\pm 1.0\%$ typ. $\pm 2.0\%$ max. 0~100% load: $\pm 2.0\%$ typ. $\pm 4.0\%$ max.	5~100% load: $\pm 0.5\%$ typ. $\pm 1.0\%$ max.
Transient recovery time	25% load step: 500 μ S typ. 3000 μ S max.	25% load step: 300 μ S typ. 500 μ S max.
Ripple & noise	20MHz bandwidth, 5~100% load: 80mV p-p typ.	20MHz bandwidth: 50mV p-p typ.
Over current protection	180% Iout typ.	140% Iout typ.
Operating temperature	-40 to +105°C	-40 to +85°C

	Derating 12/24Vin Free Air Convection  48Vin Free Air Convection 	Derating Free Air Convection 																																																																				
Typical application circuit	Typical application circuit <table><tr><th>Vout</th><th>Co1</th><th>Co2</th><th>Co3</th></tr><tr><td>3.3, 5, 6V</td><td>100µF, 16V</td><td>10µF, 50V</td><td>0.1µF, 16V</td></tr><tr><td>9, 12, 15V</td><td>100µF, 25V</td><td>10µF, 50V</td><td>0.1µF, 25V</td></tr><tr><td>18, 24, 28V</td><td>100µF, 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.	Vout	Co1	Co2	Co3	3.3, 5, 6V	100µF, 16V	10µF, 50V	0.1µF, 16V	9, 12, 15V	100µF, 25V	10µF, 50V	0.1µF, 25V	18, 24, 28V	100µF, 50V	10µF, 50V	0.1µF, 50V	Typical application circuit Single Output  Dual Output <table><tr><th>Model</th><th>C1</th><th>C2</th><th>Cout</th><th>C3</th><th>LDM</th><th>LDM1</th><th>D1</th><th>R1</th></tr><tr><td>12Vin</td><td>100µF</td><td>47µF</td><td>100µF</td><td>47nF/100V</td><td>47µH±12µH</td><td>2.2µH±10µH</td><td>60V, 1A</td><td>See formula</td></tr><tr><td>24Vin</td><td>10µF</td><td>1µF</td><td>100µF</td><td>47nF/100V</td><td>47µH±12µH</td><td>2.2µH±10µH</td><td>60V, 1A</td><td>See formula</td></tr><tr><td>48Vin</td><td>10µF</td><td>1µF</td><td>100µF</td><td>47nF/100V</td><td>47µH±12µH</td><td>2.2µH±10µH</td><td>60V, 1A</td><td>See formula</td></tr></table>	Model	C1	C2	Cout	C3	LDM	LDM1	D1	R1	12Vin	100µF	47µF	100µF	47nF/100V	47µH±12µH	2.2µH±10µH	60V, 1A	See formula	24Vin	10µF	1µF	100µF	47nF/100V	47µH±12µH	2.2µH±10µH	60V, 1A	See formula	48Vin	10µF	1µF	100µF	47nF/100V	47µH±12µH	2.2µH±10µH	60V, 1A	See formula																
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EMC recommended circuit	EMC recommended circuit <table><tr><th>Component</th><th>12Vin</th><th>24Vin</th><th>48Vin</th></tr><tr><td>Co, C3</td><td>680µF, 25V</td><td>330µF, 50V</td><td>330µF, 100V</td></tr><tr><td>C1, C2</td><td>10µF, 50V</td><td>10µF, 50V</td><td>10µF, 100V</td></tr><tr><td>Co1, Co2, Co3</td><td colspan="3">Refer to Typical Application Circuit</td></tr><tr><td>LDM</td><td>12µH</td><td>12µH</td><td>12µH</td></tr><tr><td>CY1, CY2 (1600VDC models)</td><td>2.2nF, 2kV</td><td>2.2nF, 2kV</td><td>2.2nF, 2kV</td></tr><tr><td>CY1, CY2 (3000VDC models)</td><td>2.2nF, 3kV</td><td>2.2nF, 3kV</td><td>2.2nF, 3kV</td></tr></table> FUSE : Choose according to actual input current	Component	12Vin	24Vin	48Vin	Co, C3	680µF, 25V	330µF, 50V	330µF, 100V	C1, C2	10µF, 50V	10µF, 50V	10µF, 100V	Co1, Co2, Co3	Refer to Typical Application Circuit			LDM	12µH	12µH	12µH	CY1, CY2 (1600VDC models)	2.2nF, 2kV	2.2nF, 2kV	2.2nF, 2kV	CY1, CY2 (3000VDC models)	2.2nF, 3kV	2.2nF, 3kV	2.2nF, 3kV	EMI recommended circuit <table><tr><th>Model</th><th>C3</th><th>C1, C2</th><th>Cd</th><th>CY1 (1500VDC models)</th><th>CY1 (3000VDC models)</th><th>D1</th><th>LDM</th><th>MOV</th><th>R1</th></tr><tr><td>12Vin</td><td>1000µF, 25V</td><td>4.7µF, 50V</td><td>47nF/100V</td><td>1nF/2000V</td><td>1nF/4000V</td><td>60V, 1A</td><td>12µH</td><td>14D390K</td><td>See formula</td></tr><tr><td>24Vin</td><td>330µF, 50V</td><td>4.7µF, 50V</td><td>47nF/100V</td><td>1nF/2000V</td><td>1nF/4000V</td><td>60V, 1A</td><td>12µH</td><td>14D560K</td><td>See formula</td></tr><tr><td>48Vin</td><td>330µF, 100V</td><td>4.7µF, 100V</td><td>47nF/100V</td><td>1nF/2000V</td><td>1nF/4000V</td><td>60V, 1A</td><td>12µH</td><td>14D101K</td><td>See formula</td></tr></table> Note: Fuse is user selectable, slow blow type $R1 = [(Vcd - Vd1 - 1.0) / I_{cont}] - 300$	Model	C3	C1, C2	Cd	CY1 (1500VDC models)	CY1 (3000VDC models)	D1	LDM	MOV	R1	12Vin	1000µF, 25V	4.7µF, 50V	47nF/100V	1nF/2000V	1nF/4000V	60V, 1A	12µH	14D390K	See formula	24Vin	330µF, 50V	4.7µF, 50V	47nF/100V	1nF/2000V	1nF/4000V	60V, 1A	12µH	14D560K	See formula	48Vin	330µF, 100V	4.7µF, 100V	47nF/100V	1nF/2000V	1nF/4000V	60V, 1A	12µH	14D101K	See formula
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ANNEX 2

Changes applicable to specific models or model groups

Parameter	Updated AM3GH-LPZ	OLD AM3GH-LPZ
Output current	3.3Vout models: 758mA max.	3.3Vout models: 700mA max.
Maximum capacitive load	3.3Vout, single output models: 2200µF 24Vout, single output models: 220µF 12Vout, dual output models: ±470µF 15Vout, dual output models: ±330µF	3.3Vout, single output models: 1800µF 24Vout, single output models: 330µF 12Vout, dual output models: ±330µF 15Vout, dual output models: ±220µF

Isolation voltage	Input/Output, 60 sec, 1mA, SLPZ/DLPZ models: $\geq 1600\text{VDC}$ typ.	Input/Output, 60 sec, 1mA, SLPZ/DLPZ models: $\geq 1500\text{VDC}$ typ.
Transient response deviation	25% load step, 3.3/5Vout models: $\pm 5\%$ typ. $\pm 8\%$ max.	25% load step, 3.3/5Vout models: $\pm 3\%$ typ. $\pm 5\%$ max.
Switching frequency	100% load, SLPZ/DLPZ models: 300KHz typ.	100% load, SLPZ/DLPZ models: 330KHz typ.
Electrostatic discharge immunity	SH30LPZ/DH30LPZ models: IEC/EN 61000-4-2, Contact $\pm 4\text{KV}$, Criteria B	SH30LPZ/DH30LPZ models: IEC/EN 61000-4-2, Contact $\pm 6\text{KV}$, Criteria B