

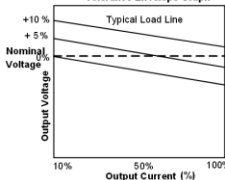
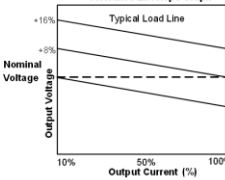
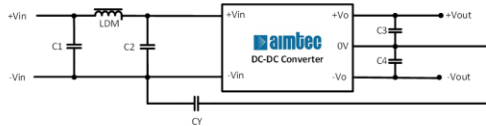
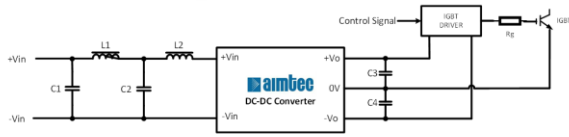
April 2nd, 2026

Product Change Notification

PCN #:	AM20260402-2
Issue Date:	April 2 nd , 2026
Products series affected:	AM3DG-LPZ series
Product list:	All part numbers from the AM3DG-LPZ series.
Effective Date:	All part numbers from the AM3DG-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 AM2DG-LPZ series have their output current, maximum capacitive load, efficiency, absolute maximum rating, tested isolation voltage, isolation capacitance, line regulation, load regulation, switching frequency, case temperature rise, temperature coefficient, typical characteristic curves 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 AM3DG-LPZ	OLD AM3DG-LPZ
Output current Max Io1/Io2	AM3DG-151504DH40LPZ: 120mA/-120mA AM3DG-152005DH40LPZ: 90mA/-90mA AM3DG-241504DH40LPZ: 120mA/-120mA	AM3DG-151504DH40LPZ: 100mA/-100mA AM3DG-152005DH40LPZ: 100mA/-100mA AM3DG-241504DH40LPZ: 100mA/-100mA
Maximum capacitive load	AM3DG-12153.5DH40LPZ: 2200μF AM3DG-122004DH40LPZ: 470μF AM3DG-122005DH40LPZ: 470μF AM3DG-15152.5DH40LPZ: 2200μF AM3DG-151504DH40LPZ: 2200μF AM3DG-151508DH40LPZ: 1000μF AM3DG-15158.7DH40LPZ: 1000μF AM3DG-151803DH40LPZ: 1000μF AM3DG-152004DH40LPZ: 470μF AM3DG-152005DH40LPZ: 470μF AM3DG-241504DH40LPZ: 2200μF AM3DG-242005DH40LPZ: 470μF	AM3DG-12153.5DH40LPZ: 220μF AM3DG-122004DH40LPZ: 220μF AM3DG-122005DH40LPZ: 220μF AM3DG-15152.5DH40LPZ: 220μF AM3DG-151504DH40LPZ: 220μF AM3DG-151508DH40LPZ: 220μF AM3DG-15158.7DH40LPZ: 220μF AM3DG-151803DH40LPZ: 220μF AM3DG-152004DH40LPZ: 220μF AM3DG-152005DH40LPZ: 220μF AM3DG-241504DH40LPZ: 220μF AM3DG-242005DH40LPZ: 220μF
Efficiency	AM3DG-12153.5DH40LPZ: 82% AM3DG-122004DH40LPZ: 81% AM3DG-122005DH40LPZ: 79% AM3DG-15152.5DH40LPZ: 82% AM3DG-151504DH40LPZ: 83% AM3DG-151508DH40LPZ: 83% AM3DG-15158.7DH40LPZ: 84% AM3DG-151803DH40LPZ: 84% AM3DG-152004DH40LPZ: 83% AM3DG-152005DH40LPZ: 84% AM3DG-241504DH40LPZ: 86% AM3DG-242005DH40LPZ: 88%	AM3DG-12153.5DH40LPZ: 80% AM3DG-122004DH40LPZ: 80% AM3DG-122005DH40LPZ: 80% AM3DG-15152.5DH40LPZ: 80% AM3DG-151504DH40LPZ: 80% AM3DG-151508DH40LPZ: 80% AM3DG-15158.7DH40LPZ: 80% AM3DG-151803DH40LPZ: 80% AM3DG-152004DH40LPZ: 80% AM3DG-152005DH40LPZ: 80% AM3DG-241504DH40LPZ: 80% AM3DG-242005DH40LPZ: 80%
Absolute maximum rating	5Vin: 9VDC max. 12Vin: 18VDC max. 15Vin: 21VDC max.	5Vin: 30VDC max. 12Vin: 30VDC max. 24Vin: 30VDC max.
Tested isolation voltage	≥5000VAC typ.	≥4000VAC typ.
Isolation capacitance	5pF typ.	3.5pF typ.
Line regulation	±1.5% max.	±1.2% max.

Load regulation	Vo1 : 6% typ. 20% max. Vo2 : 8% typ. 15% max.	Vo1 : 5% typ. 12% max. Vo2 : 10% typ. 20% max.																				
Switching frequency	250KHz typ.	100KHz typ.																				
Case temperature rise	30°C typ.	25°C typ.																				
Temperature coefficient	±0.04%/ °C typ. ±0.1%/ °C max.	±0.02%/ °C typ. ±0.03%/ °C max.																				
Typical characteristic curves	See datasheet	Typical Characteristic +Vo with nominal input voltage Tolerance Envelope Graph  -Vo with nominal input voltage Tolerance Envelope Graph 																				
Recommended EMC circuit	Recommended EMC circuit  <table><tr><th>Component</th><th>Specification</th></tr><tr><td>C1, C2</td><td>4.7µF/50V</td></tr><tr><td>LDM</td><td>33µH</td></tr><tr><td>CY</td><td>330µF</td></tr><tr><td>C3, C4</td><td>10µF/50V</td></tr></table> Note: Input and output capacitors are recommended to use ceramic or electrolytic types. Tantalum capacitors are not recommended.	Component	Specification	C1, C2	4.7µF/50V	LDM	33µH	CY	330µF	C3, C4	10µF/50V	 <table><tr><th>Component</th><th>Specification</th></tr><tr><td>C1, C2</td><td>4.7µF/50V</td></tr><tr><td>L1</td><td>12µH</td></tr><tr><td>L2</td><td>47µH</td></tr><tr><td>C3, C4</td><td>100µF/35V</td></tr></table> Note: Input and output capacitors are recommended to use ceramic or electrolytic types. Tantalum capacitors are not recommended.	Component	Specification	C1, C2	4.7µF/50V	L1	12µH	L2	47µH	C3, C4	100µF/35V
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