Aimtec
205 Joseph-Carrier
Vaudreuil-Dorion, QC J7V 5V5 Canada
Tel: +1-514-620-2722
Fax: +1-514-620-2725

November 12th, 2025

Product Change Notification

PCN #:	AM20251112-1
Issue Date:	November 12th, 2025
Products series affected:	AM30EW-LPZ series
Product list:	AM30EW-4805DLPZ
Effective Date:	All part numbers from the above product list 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 AM30EW-LPZ series have their input under voltage lockout, on/off control idle current, transient recovery deviation, switching frequency, over current protection, weight, derating, typical application circuit Cin/Cout and recommended EMC circuit 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

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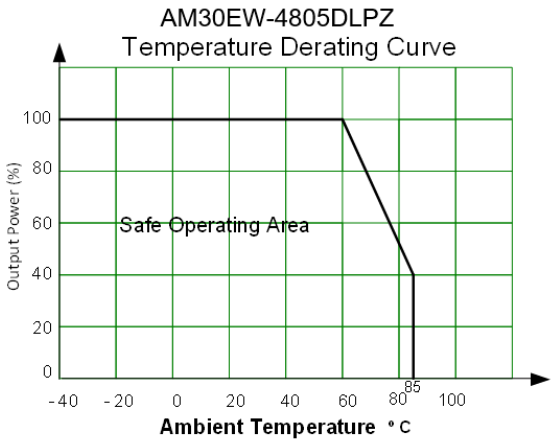
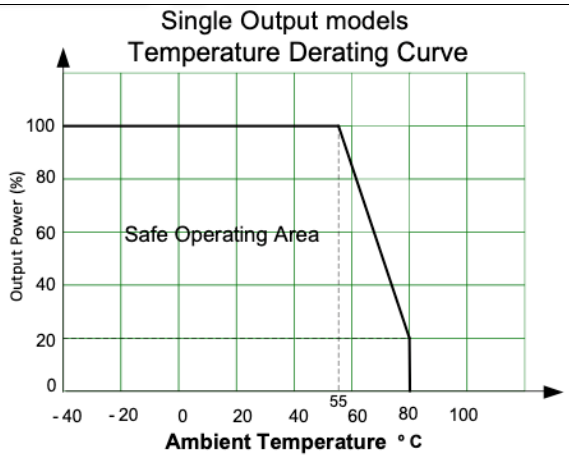
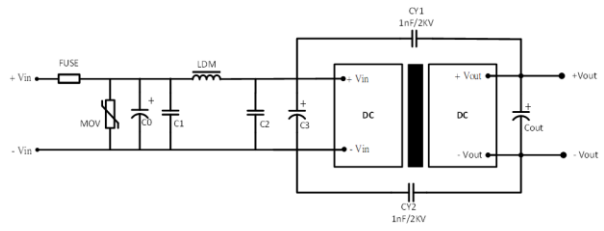
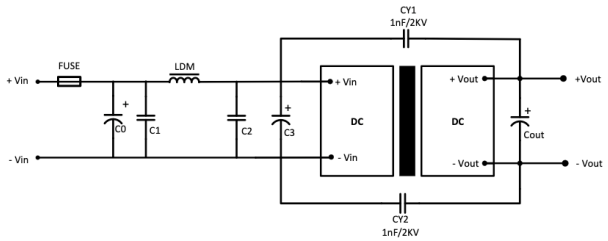
ANNEX 1

Parameter	Updated AM30EW-4805DLPZ	OLD AM30EW-4805DLPZ
Input under voltage lockout	12-16VDC typ.	12-15.5VDC typ.
On/off control idle current	2 - 5mA	5 - 8mA
Transient recovery deviation	25% load step change: ±3% typ. ±5% max.	25% load step change: ±5% typ. ±8% max.
Switching frequency	100% load: 300KHz typ.	100% load: 330KHz typ.
Over current protection	110% of Io typ. 240% of Io max.	110% of Io typ. 190% of Io max.
Weight	27g typ.	23g
Derating		
Typical application circuit	Cin: 47µF/100V Cout: 220µF/16V	Cin: 100µF/100V Cout: 220µF/25V
EMC recommended circuit		

Component	AM30EW-4805DLPZ
C0, C3	330µF, 100V
C1, C2	2.2µF, 100V
Cout	Refer to Cout in Typical Application Circuit
LDM	3.3µH
MOV	14D101K

Component	24Vin	48Vin
C0, C3	330µF, 50V	330µF, 100V
C1, C2	4.7µF, 50V	4.7µF, 100V
Cout	Refer to Cout in Typical Application Circuit	
LDM	2.2µH, 4A	2.2µH, 2A