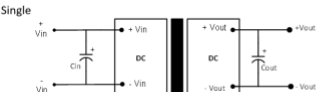


June 30th, 2026

Product Change Notification

PCN #:	AM20260630-1
Issue Date:	June 30 th , 2026
Products series affected:	AM15EW-LPZ series
Product list:	All part numbers from the AM15EW-LPZ series.
Effective Date:	All part numbers from the AM15EW-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 AM15EW-LPZ series have their input current, maximum capacitive load, efficiency, on/off control, tested isolation voltage, load regulation, transient recovery deviation, ripple & noise, over current protection, weight, dimensions, typical application circuit, recommended EMC circuit and trim 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 AM15EW-LPZ	OLD AM15EW-LPZ																																								
Input current no load	24Vin: 80mA max. 48Vin: 60mA max.	24Vin: 30mA max. 48Vin: 15mA max.																																								
Input current full load	24Vin: 744mA max. 48Vin: 363mA max.	24Vin: 625~694mA max. 48Vin: 313~348mA max.																																								
Maximum capacitive load	3.3Vout: 10000μF 5Vout: 10000μF 12Vout: 1600μF 15Vout: 1000μF 24Vout: 500μF	3.3Vout: 4700μF 5Vout: 4700μF 12Vout: 1000μF 15Vout: 820μF 24Vout: 270μF																																								
Efficiency	AM15EW-2403SLPZ: 85% typ. AM15EW-2405SLPZ: 86% typ. AM15EW-2412SLPZ: 88% typ. AM15EW-2415SLPZ: 88% typ. AM15EW-2424SLPZ: 89% typ. AM15EW-4803SLPZ: 86% typ. AM15EW-4805SLPZ: 88% typ. AM15EW-4812SLPZ: 89% typ. AM15EW-4815SLPZ: 89% typ. AM15EW-4824SLPZ: 89% typ.	AM15EW-2403SLPZ: 88% typ. AM15EW-2405SLPZ: 90% typ. AM15EW-2412SLPZ: 90% typ. AM15EW-2415SLPZ: 91% typ. AM15EW-2424SLPZ: 91% typ. AM15EW-4803SLPZ: 88% typ. AM15EW-4805SLPZ: 90% typ. AM15EW-4812SLPZ: 91% typ. AM15EW-4815SLPZ: 91% typ. AM15EW-4824SLPZ: 91% typ.																																								
On/Off control	ON - open or pulled high (2.7- 12 VDC) Idle current: 4 – 7mA	ON - open or pulled high (3.5- 12 VDC) Idle current: 2 – 7mA																																								
Tested isolation voltage	≥1600VDC typ.	≥1500VDC typ.																																								
Load regulation	0~100% load: ±0.5% typ. ±1.0% max.	5~100% load: ±0.5% typ. ±1.0% max.																																								
Transient recovery deviation	25% load step change: ±5%typ. ±8%max.	25% load step change, 3.3/5Vout models: ±3%typ. ±7%max. 25% load step change, others: ±3%typ. ±5%max.																																								
Ripple & Noise	80mV pk-pk typ. 120mV pk-pk max.	50mV pk-pk typ. 100mV pk-pk max.																																								
Over current protection	110%Io min. 140% Io typ.	110%Io min. 190%Io max.																																								
Weight	22g typ.	28g typ.																																								
Dimensions	PCB mountable models: 2.00 x 1.00 x 0.46 inches (50.8 x 25.4 x 11.8 mm)	PCB mountable models: 2.00 x 1.00 x 0.47 inches (50.8 x 25.4 x 12.0 mm)																																								
Typical application circuit	Typical Application Circuit <table><tr><th colspan="5">Single outputs</th></tr><tr><th>Vout</th><th>Cin</th><th>Co2</th><th>Co3</th><th></th></tr><tr><td>3.3, 5V</td><td>100uF, 16V</td><td>10uF, 50V</td><td>0.1uF, 16V</td><td></td></tr><tr><td>12, 15V</td><td>100uF, 25V</td><td>10uF, 50V</td><td>0.1uF, 25V</td><td></td></tr><tr><td>24V</td><td>47uF, 50V</td><td>10uF, 50V</td><td>0.1uF, 50V</td><td></td></tr></table>	Single outputs					Vout	Cin	Co2	Co3		3.3, 5V	100uF, 16V	10uF, 50V	0.1uF, 16V		12, 15V	100uF, 25V	10uF, 50V	0.1uF, 25V		24V	47uF, 50V	10uF, 50V	0.1uF, 50V		Typical Application Circuit <table><tr><th colspan="5">Single outputs</th></tr><tr><th>Vin</th><th>Cin</th><th>Vout</th><th>Co2</th><th>Co3</th></tr><tr><td>24/48VDC</td><td>100uF</td><td>3.3~24VDC</td><td>47~100uF</td><td></td></tr></table>	Single outputs					Vin	Cin	Vout	Co2	Co3	24/48VDC	100uF	3.3~24VDC	47~100uF	
Single outputs																																										
Vout	Cin	Co2	Co3																																							
3.3, 5V	100uF, 16V	10uF, 50V	0.1uF, 16V																																							
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Vin	Cin	Vout	Co2	Co3																																						
24/48VDC	100uF	3.3~24VDC	47~100uF																																							

Recommended EMC Circuit

The diagram shows a power supply circuit with two input sections. The first section is for 24V input, featuring a fuse, a common-mode choke (LDM), and capacitors C0, C1, C2, and C3. The second section is for 48V input, featuring a common-mode choke (LDM) and capacitors C1, C2, and C3. Both sections feed into a DC-DC converter block. The output of the converter is Vout, which is filtered by capacitors Cout1, Cout2, and Cout3. The circuit is also protected by a fuse and a common-mode choke (LDM) at the input.

Component	24Vin	48Vin
C0, C3	330µF, 50V	330µF, 100V
C1, C2	4.7µF, 50V	4.7µF, 100V
Co1, Co2, Co3	Refer to Cout in Typical Application Circuit	
LDM	10µH, 4A	10µH, 2A

3.3V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.267	3.234	3.201	3.168	3.135	3.102	3.069	3.036	3.003	2.970
Rt down (KΩ)	1121.642	378.474	220.234	151.369	112.834	88.207	71.111	58.549	48.928	41.324
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.333	3.366	3.399	3.432	3.465	3.498	3.531	3.564	3.597	3.630
Rt up (KΩ)	243.933	139.191	95.012	70.649	55.211	44.554	36.755	30.799	26.103	22.305

5V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	4.950	4.900	4.850	4.800	4.750	4.700	4.650	4.600	4.550	4.500
Rt down (KΩ)	39.966	22.440	13.270	7.631	3.813	1.056	-	-	-	-
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	5.050	5.100	5.150	5.200	5.250	5.300	5.350	5.400	5.450	5.500
Rt up (KΩ)	-630.464	135.361	52.843	29.152	17.912	11.350	7.048	4.011	1.752	0.006

12V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	11.880	11.760	11.640	11.520	11.400	11.280	11.160	11.040	10.920	10.800
Rt down (KΩ)	525.855	272.916	179.060	130.111	100.061	79.736	65.073	53.995	45.330	38.368
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	12.120	12.240	12.360	12.480	12.600	12.720	12.840	12.960	13.080	13.200
Rt up (KΩ)	190.983	76.518	43.233	27.375	18.096	12.007	7.703	4.500	2.023	0.050

15V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	14.850	14.700	14.550	14.400	14.250	14.100	13.950	13.800	13.650	13.500
Rt down (KΩ)	675.367	382.496	260.958	194.429	152.455	123.560	102.455	86.363	73.689	63.447
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	15.150	15.300	15.450	15.600	15.750	15.900	16.050	16.200	16.350	16.500
Rt up (KΩ)	323.076	105.467	56.466	34.831	22.640	14.818	9.373	5.365	2.291	-0.142

24V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	23.760	23.520	23.280	23.040	22.800	22.560	22.320	22.080	21.840	21.600
Rt down (KΩ)	635.592	358.741	246.163	185.102	146.779	120.487	101.330	86.750	75.282	66.025
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	24.240	24.480	24.720	24.960	25.200	25.440	25.680	25.920	26.160	26.400
Rt up (KΩ)	154.790	53.216	28.902	17.987	11.787	7.790	4.999	2.939	1.357	0.104

Recommended EMC Circuit

The diagram shows a power supply circuit with two input sections. The first section is for 24V input, featuring a fuse, a common-mode choke (LDM), and capacitors C0, C1, C2, and C3. The second section is for 48V input, featuring a common-mode choke (LDM) and capacitors C1, C2, and C3. Both sections feed into a DC-DC converter block. The output of the converter is Vout, which is filtered by capacitor Cout. The circuit is also protected by a fuse and a common-mode choke (LDM) at the input.

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

3.3V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.267	3.234	3.201	3.168	3.135	3.102	3.069	3.036	3.003	2.970
Rt down (KΩ)	192.598	104.838	68.397	48.444	35.853	27.185	20.853	16.025	12.222	9.149
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.333	3.366	3.399	3.432	3.465	3.498	3.531	3.564	3.597	3.630
Rt up (KΩ)	296.095	99.171	54.915	35.384	24.383	17.325	12.412	8.795	6.022	3.828

5V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	4.950	4.900	4.850	4.800	4.750	4.700	4.680	4.600	4.550	4.500
Rt down (KΩ)	110.182	53.582	32.644	21.738	15.047	10.524	9.100	4.798	2.871	1.323
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	5.060	5.100	5.150	5.200	5.250	5.300	5.350	5.400	5.450	5.500
Rt up (KΩ)	130.380	68.870	40.959	27.639	19.840	14.718	11.096	8.401	6.316	4.655

12V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	11.880	11.760	11.640	11.520	11.400	11.280	11.160	11.040	10.920	10.800
Rt down (KΩ)	493.692	299.052	210.127	159.185	126.173	103.042	85.932	72.764	62.316	53.823
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	12.120	12.240	12.360	12.480	12.600	12.720	12.840	12.960	13.080	13.200
Rt up (KΩ)	704.035	156.520	81.479	51.675	35.677	25.695	18.874	13.917	10.152	7.195

15V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	14.850	14.700	14.550	14.400	14.250	14.100	13.950	13.800	13.650	13.500
Rt down (KΩ)	257.086	204.311	167.813	141.069	120.629	104.499	91.447	80.667	71.614	63.904
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	15.150	15.300	15.450	15.600	15.750	15.900	16.050	16.200	16.350	16.500
Rt up (KΩ)	--	--	--	465.781	146.993	81.645	53.473	37.778	27.774	20.841

24V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	23.760	23.520	23.280	23.040	22.800	22.560	22.320	22.080	21.840	21.600
Rt down (KΩ)	1289.521	792.049	564.771	434.571	350.197	291.076	247.346	213.690	186.986	165.281
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	24.240	24.480	24.720	24.960	25.200	25.440	25.680	25.920	26.160	26.400
Rt up (KΩ)	795.550	176.609	91.778	58.086	40.001	28.717	21.006	15.402	11.146	7.803

Recommended EMC circuit

Trim