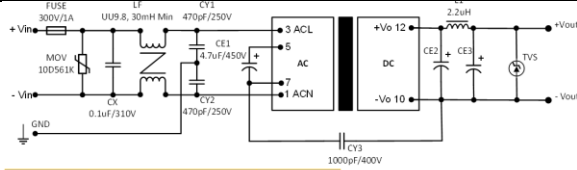
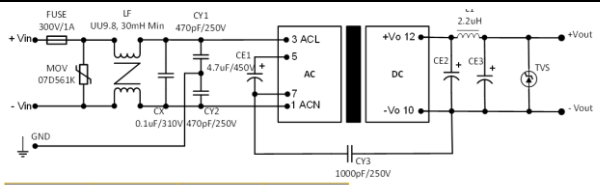


June 9th, 2025

Product Change Notification

PCN #:	AM20250609-1
Issue Date:	June 9 th , 2025
Products series affected:	AMEOF1-277EZ series
Product list:	AMEOF1-5S277EZ, AMEOF1-9S277EZ, AMEOF1-12S277EZ, AMEOF1-15S277EZ, AMEOF1-24S277EZ, AMEOF1-5SL277EZ, AMEOF1-9SL277EZ, AMEOF1-12SL277EZ, AMEOF1-15SL277EZ, AMEOF1-24SL277EZ.
Effective Date:	All part numbers listed in the above product list from the AMEOF1-277EZ 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 AMEOF1-277EZ series have their efficiency, maximum capacitive load, input current, input dissipation, load regulation, minimum load, ripple & noise, dimensions and EMC recommended 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 AMEOF1-277EZ	OLD AMEOF1-277EZ																																																				
Efficiency	24Vout: 69%	24Vout: 68%																																																				
Maximum capacitive load	24Vout: 100 μ F	24Vout: 120 μ F																																																				
Input current	115VAC: 120mA max. 230VAC: 60mA max.	115VAC: 60mA max. 230VAC: 30mA max.																																																				
Input dissipation	No load: 0.1W typ. 0.15W max.	No load: 0.5W max.																																																				
Load regulation	10%~100% load,: \pm 2.5% typ.	5%~100% load,: \pm 2.5% typ.																																																				
Minimum load	10% Iout typ.	0% Iout typ.																																																				
Ripple & noise	80mV p-p typ. 150mV p-p max.	50mV p-p typ. 120mV p-p max.																																																				
Dimensions (LxWxH)	1.38 x 0.43 x 0.71 inches 35.00 x 11.00 x 18.00 mm	1.38 x 0.71 x 0.43 inches 35.00 x 18.00 x 11.00 mm																																																				
EMC Recommended circuit	 <table border="1" data-bbox="381 1024 714 1129"> <thead> <tr> <th>Model</th> <th>CE2</th> <th>CE3</th> <th>TVS</th> </tr> </thead> <tbody> <tr> <td>3.3 Vout</td> <td>470uF/10V</td> <td>470uF/10V</td> <td>SMBJ7.0A</td> </tr> <tr> <td>5 Vout</td> <td>470uF/10V</td> <td>470uF/10V</td> <td>SMBJ7.0A</td> </tr> <tr> <td>9 Vout</td> <td>270uF/25V</td> <td>220uF/35V</td> <td>SMBJ12A</td> </tr> <tr> <td>12 Vout</td> <td>270uF/25V</td> <td>220uF/35V</td> <td>SMBJ20A</td> </tr> <tr> <td>15 Vout</td> <td>270uF/25V</td> <td>220uF/35V</td> <td>SMBJ20A</td> </tr> <tr> <td>24 Vout</td> <td>220uF/35V</td> <td>220uF/35V</td> <td>SMBJ30A</td> </tr> </tbody> </table> <p>It is recommended that the capacitor material of CE2 should be solid-state capacitor.</p>	Model	CE2	CE3	TVS	3.3 Vout	470uF/10V	470uF/10V	SMBJ7.0A	5 Vout	470uF/10V	470uF/10V	SMBJ7.0A	9 Vout	270uF/25V	220uF/35V	SMBJ12A	12 Vout	270uF/25V	220uF/35V	SMBJ20A	15 Vout	270uF/25V	220uF/35V	SMBJ20A	24 Vout	220uF/35V	220uF/35V	SMBJ30A	 <table border="1" data-bbox="987 1039 1323 1129"> <thead> <tr> <th>Model</th> <th>CE2</th> <th>CE3</th> <th>TVS</th> </tr> </thead> <tbody> <tr> <td>5 Vout</td> <td>220uF/35V</td> <td>68uF/35V</td> <td>SMBJ7.0A</td> </tr> <tr> <td>9 Vout</td> <td>220uF/35V</td> <td>68uF/35V</td> <td>SMBJ12A</td> </tr> <tr> <td>12 Vout</td> <td>68uF/35V</td> <td>68uF/35V</td> <td>SMBJ20A</td> </tr> <tr> <td>15 Vout</td> <td>68uF/35V</td> <td>68uF/35V</td> <td>SMBJ20A</td> </tr> <tr> <td>24 Vout</td> <td>68uF/35V</td> <td>68uF/35V</td> <td>SMBJ30A</td> </tr> </tbody> </table>	Model	CE2	CE3	TVS	5 Vout	220uF/35V	68uF/35V	SMBJ7.0A	9 Vout	220uF/35V	68uF/35V	SMBJ12A	12 Vout	68uF/35V	68uF/35V	SMBJ20A	15 Vout	68uF/35V	68uF/35V	SMBJ20A	24 Vout	68uF/35V	68uF/35V	SMBJ30A
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