

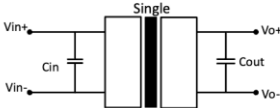
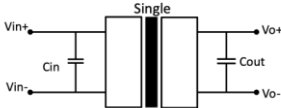
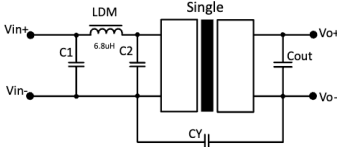
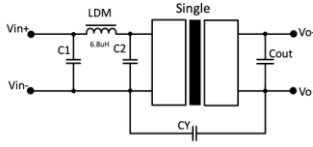
August 26th, 2026

Product Change Notification

PCN #:	AM20260826-1
Issue Date:	August 26 th , 2026
Products series affected:	AM2DR-LPZ series
Product list:	AM2DR-0503SLPZ, AM2DR-0505SLPZ, AM2DR-1203SLPZ, AM2DR-1205SLPZ, AM2DR-2403SLPZ, AM2DR-2405SLPZ.
Effective Date:	All part numbers listed in the above product list from the AM2DR-LPZ series shipping from Aimtec as of the issue date of this PCN.
Description of change:	The AM2DR-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, switching frequency, electrostatic discharge immunity, 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 input current, maximum capacitive load and ripple & noise 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 AM2DR-LPZ	OLD AM2DR-LPZ																																				
Efficiency	66~74% typ.	68~72% typ.																																				
Switching frequency	Full load: 220KHz typ.	Full load: 250KHz typ.																																				
Electrostatic discharge immunity	IEC 61000-4-2 Air ±8KV, Contact ±6KV, Criteria B	IEC 61000-4-2 Air ±8KV, Contact ±4KV, Criteria B																																				
Typical application circuit	Typical application circuit  <table><tr><th>Vin</th><th>Cin</th><th>Vout</th><th>Cout</th></tr><tr><td>5V</td><td>10µF/16V</td><td>3.3V</td><td>10µF/16V</td></tr><tr><td>12V</td><td>4.7µF/25V</td><td>5V</td><td>4.7µF/16V</td></tr><tr><td>15V</td><td>2.2µF/25V</td><td>24V</td><td>1µF/50V</td></tr><tr><td>24V</td><td>1µF/50V</td><td></td><td></td></tr></table>	Vin	Cin	Vout	Cout	5V	10µF/16V	3.3V	10µF/16V	12V	4.7µF/25V	5V	4.7µF/16V	15V	2.2µF/25V	24V	1µF/50V	24V	1µF/50V			Typical application circuit  <table><tr><th>Vin</th><th>Cin</th><th>Vout</th><th>Cout</th></tr><tr><td>5V</td><td>4.7µF/16V</td><td>3.3/5V</td><td>10µF/16V</td></tr><tr><td>12V</td><td>2.2µF/25V</td><td></td><td></td></tr><tr><td>24V</td><td>0.47µF/50V</td><td></td><td></td></tr></table>	Vin	Cin	Vout	Cout	5V	4.7µF/16V	3.3/5V	10µF/16V	12V	2.2µF/25V			24V	0.47µF/50V		
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EMC recommended circuit	Recommended EMC circuit  <table><tr><th>Models</th><th>C1/C2</th><th>CY</th></tr><tr><td>1500VDC</td><td>4.7µF/50V</td><td>1nF/2kVdc</td></tr><tr><td>3000VDC</td><td>4.7µF/50V</td><td>1nF/3kVdc</td></tr></table>	Models	C1/C2	CY	1500VDC	4.7µF/50V	1nF/2kVdc	3000VDC	4.7µF/50V	1nF/3kVdc	Recommended EMI circuit  <table><tr><th>Vin</th><th>C1/C2</th><th>CY</th></tr><tr><td>5/12/24V</td><td>4.7µF/25V</td><td>100pf/2kVdc</td></tr></table>	Vin	C1/C2	CY	5/12/24V	4.7µF/25V	100pf/2kVdc																					
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ANNEX 2

Changes applicable to specific models or model groups

Parameter	Updated AM2DR-LPZ	OLD AM2DR-LPZ
Input current Full/No load	5Vin models: 556/6mA typ. 12Vin models: 232/6mA typ. 24Vin models: 116/6mA typ.	5Vin models: 460/7mA typ. 12Vin models: 210/8mA typ. 24Vin models: 90/6mA typ.
Maximum capacitive load	5Vout models: 220µF	5Vout models: 2400µF
Ripple & noise	5Vout models: 50mV p-p typ. 100mV p-p max.	5Vout models: 30mV p-p typ. 75mV p-p max.