



### FEATURES:

- RoHS Compliant
- Low ripple and noise
- High efficiency up to 82%
- 7 pin SIP package
- Operating temperature -40°C to +85°C
- Pin compatible with multiple manufacturers
- Isolation of 1000, 3000, 4000, 5200 & 6000 VDC

### Models

#### Single output



Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-0503SZ	4.5-5.5	3.3	400	1000	72
AM2D-0505SZ	4.5-5.5	5	400	1000	78
AM2D-0507SZ	4.5-5.5	7.2	278	1000	80
AM2D-0509SZ	4.5-5.5	9	222	1000	80
AM2D-0512SZ	4.5-5.5	12	167	1000	82
AM2D-0515SZ	4.5-5.5	15	134	1000	82
AM2D-0518SZ	4.5-5.5	18	111	1000	82
AM2D-0524SZ	4.5-5.5	24	83	1000	82
AM2D-1203SZ	10.8-13.2	3.3	400	1000	65
AM2D-1205SZ	10.8-13.2	5	400	1000	77
AM2D-1207SZ	10.8-13.2	7.2	278	1000	80
AM2D-1209SZ	10.8-13.2	9	222	1000	80
AM2D-1212SZ	10.8-13.2	12	167	1000	82
AM2D-1215SZ	10.8-13.2	15	134	1000	82
AM2D-1218SZ	10.8-13.2	18	111	1000	80
AM2D-1224SZ	10.8-13.2	24	83	1000	80
AM2D-2403SZ	21.6-26.4	3.3	400	1000	72
AM2D-2405SZ	21.6-26.4	5	400	1000	79
AM2D-2407SZ	21.6-26.4	7.2	278	1000	80
AM2D-2409SZ	21.6-26.4	9	222	1000	80
AM2D-2412SZ	21.6-26.4	12	167	1000	80
AM2D-2415SZ	21.6-26.4	15	134	1000	82
AM2D-2418SZ	21.6-26.4	18	111	1000	82
AM2D-2424SZ	21.6-26.4	24	83	1000	82
AM2D-4803SZ	43.2-52.8	3.3	400	1000	72
AM2D-4805SZ	43.2-52.8	5	400	1000	79
AM2D-4807SZ	43.2-52.8	7.2	278	1000	80
AM2D-4809SZ	43.2-52.8	9	222	1000	80
AM2D-4812SZ	43.2-52.8	12	167	1000	80
AM2D-4815SZ	43.2-52.8	15	134	1000	82
AM2D-4818SZ	43.2-52.8	18	111	1000	82
AM2D-4824SZ	43.2-52.8	24	83	1000	82
AM2D-0503SH30Z	4.5-5.5	3.3	400	3000	72
AM2D-0505SH30Z	4.5-5.5	5	400	3000	78
AM2D-0507SH30Z	4.5-5.5	7.2	278	3000	80
AM2D-0509SH30Z	4.5-5.5	9	222	3000	80
AM2D-0512SH30Z	4.5-5.5	12	167	3000	82
AM2D-0515SH30Z	4.5-5.5	15	134	3000	82
AM2D-0518SH30Z	4.5-5.5	18	111	3000	82
AM2D-0524SH30Z	4.5-5.5	24	83	3000	82
AM2D-1203SH30Z	10.8-13.2	3.3	400	3000	65
AM2D-1205SH30Z	10.8-13.2	5	400	3000	77
AM2D-1207SH30Z	10.8-13.2	7.2	278	3000	80
AM2D-1209SH30Z	10.8-13.2	9	222	3000	80
AM2D-1212SH30Z	10.8-13.2	12	167	3000	82
AM2D-1215SH30Z	10.8-13.2	15	134	3000	82
AM2D-1218SH30Z	10.8-13.2	18	111	3000	80

**Models**

**Single output (continued)**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-1224SH30Z	10.8-13.2	24	83	3000	80
AM2D-2403SH30Z	21.6-26.4	3.3	400	3000	72
AM2D-2405SH30Z	21.6-26.4	5	400	3000	79
AM2D-2407SH30Z	21.6-26.4	7.2	278	3000	80
AM2D-2409SH30Z	21.6-26.4	9	222	3000	80
AM2D-2412SH30Z	21.6-26.4	12	167	3000	80
AM2D-2415SH30Z	21.6-26.4	15	134	3000	82
AM2D-2418SH30Z	21.6-26.4	18	111	3000	82
AM2D-2424SH30Z	21.6-26.4	24	83	3000	80
AM2D-4803SH30Z	43.2-52.8	3.3	400	3000	72
AM2D-4805SH30Z	43.2-52.8	5	400	3000	79
AM2D-4807SH30Z	43.2-52.8	7.2	278	3000	80
AM2D-4809SH30Z	43.2-52.8	9	222	3000	80
AM2D-4812SH30Z	43.2-52.8	12	167	3000	80
AM2D-4815SH30Z	43.2-52.8	15	134	3000	82
AM2D-4818SH30Z	43.2-52.8	18	111	3000	82
AM2D-4824SH30Z	43.2-52.8	24	83	3000	82
AM2D-0503SH40Z	4.5-5.5	3.3	400	4000	72
AM2D-0505SH40Z	4.5-5.5	5	400	4000	78
AM2D-0507SH40Z	4.5-5.5	7.2	278	4000	80
AM2D-0509SH40Z	4.5-5.5	9	222	4000	80
AM2D-0512SH40Z	4.5-5.5	12	167	4000	82
AM2D-0515SH40Z	4.5-5.5	15	134	4000	82
AM2D-0518SH40Z	4.5-5.5	18	111	4000	82
AM2D-0524SH40Z	4.5-5.5	24	83	4000	82
AM2D-1203SH40Z	10.8-13.2	3.3	400	4000	65
AM2D-1205SH40Z	10.8-13.2	5	400	4000	77
AM2D-1207SH40Z	10.8-13.2	7.2	278	4000	80
AM2D-1209SH40Z	10.8-13.2	9	222	4000	80
AM2D-1212SH40Z	10.8-13.2	12	167	4000	82
AM2D-1215SH40Z	10.8-13.2	15	134	4000	82
AM2D-1218SH40Z	10.8-13.2	18	111	4000	80
AM2D-1224SH40Z	10.8-13.2	24	83	4000	80
AM2D-2403SH40Z	21.6-26.4	3.3	400	4000	72
AM2D-2405SH40Z	21.6-26.4	5	400	4000	79
AM2D-2407SH40Z	21.6-26.4	7.2	278	4000	80
AM2D-2409SH40Z	21.6-26.4	9	222	4000	80
AM2D-2412SH40Z	21.6-26.4	12	167	4000	80
AM2D-2415SH40Z	21.6-26.4	15	134	4000	82
AM2D-2418SH40Z	21.6-26.4	18	111	4000	82
AM2D-2424SH40Z	21.6-26.4	24	83	4000	80
AM2D-4803SH40Z	43.2-52.8	3.3	400	4000	72
AM2D-4805SH40Z	43.2-52.8	5	400	4000	79
AM2D-4807SH40Z	43.2-52.8	7.2	278	4000	80
AM2D-4809SH40Z	43.2-52.8	9	222	4000	80
AM2D-4812SH40Z	43.2-52.8	12	167	4000	80
AM2D-4815SH40Z	43.2-52.8	15	134	4000	82
AM2D-4818SH40Z	43.2-52.8	18	111	4000	82
AM2D-4824SH40Z	43.2-52.8	24	83	4000	82
AM2D-0503SH52Z	4.5-5.5	3.3	400	5200	72
AM2D-0505SH52Z	4.5-5.5	5	400	5200	78
AM2D-0507SH52Z	4.5-5.5	7.2	278	5200	80
AM2D-0509SH52Z	4.5-5.5	9	222	5200	80
AM2D-0512SH52Z	4.5-5.5	12	167	5200	82
AM2D-0515SH52Z	4.5-5.5	15	134	5200	82

**Models**

**Single output (continued)**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-0518SH52Z	4.5-5.5	18	111	5200	82
AM2D-0524SH52Z	4.5-5.5	24	83	5200	82
AM2D-1203SH52Z	10.8-13.2	3.3	400	5200	65
AM2D-1205SH52Z	10.8-13.2	5	400	5200	77
AM2D-1207SH52Z	10.8-13.2	7.2	278	5200	80
AM2D-1209SH52Z	10.8-13.2	9	222	5200	80
AM2D-1212SH52Z	10.8-13.2	12	167	5200	82
AM2D-1215SH52Z	10.8-13.2	15	134	5200	82
AM2D-1218SH52Z	10.8-13.2	18	111	5200	80
AM2D-1224SH52Z	10.8-13.2	24	83	5200	80
AM2D-2403SH52Z	21.6-26.4	3.3	400	5200	72
AM2D-2405SH52Z	21.6-26.4	5	400	5200	79
AM2D-2407SH52Z	21.6-26.4	7.2	278	5200	80
AM2D-2409SH52Z	21.6-26.4	9	222	5200	80
AM2D-2412SH52Z	21.6-26.4	12	167	5200	80
AM2D-2415SH52Z	21.6-26.4	15	134	5200	82
AM2D-2418SH52Z	21.6-26.4	18	111	5200	82
AM2D-2424SH52Z	21.6-26.4	24	83	5200	80
AM2D-4803SH52Z	43.2-52.8	3.3	400	5200	72
AM2D-4805SH52Z	43.2-52.8	5	400	5200	79
AM2D-4807SH52Z	43.2-52.8	7.2	278	5200	80
AM2D-4809SH52Z	43.2-52.8	9	222	5200	80
AM2D-4812SH52Z	43.2-52.8	12	167	5200	80
AM2D-4815SH52Z	43.2-52.8	15	134	5200	82
AM2D-4818SH52Z	43.2-52.8	18	111	5200	82
AM2D-4824SH52Z	43.2-52.8	24	83	5200	82
AM2D-0503SH60Z	4.5-5.5	3.3	400	6000	72
AM2D-0505SH60Z	4.5-5.5	5	400	6000	78
AM2D-0507SH60Z	4.5-5.5	7.2	278	6000	80
AM2D-0509SH60Z	4.5-5.5	9	222	6000	80
AM2D-0512SH60Z	4.5-5.5	12	167	6000	82
AM2D-0515SH60Z	4.5-5.5	15	134	6000	82
AM2D-0518SH60Z	4.5-5.5	18	111	6000	82
AM2D-0524SH60Z	4.5-5.5	24	83	6000	82
AM2D-1203SH60Z	10.8-13.2	3.3	400	6000	65
AM2D-1205SH60Z	10.8-13.2	5	400	6000	77
AM2D-1207SH60Z	10.8-13.2	7.2	278	6000	80
AM2D-1209SH60Z	10.8-13.2	9	222	6000	80
AM2D-1212SH60Z	10.8-13.2	12	167	6000	82
AM2D-1215SH60Z	10.8-13.2	15	134	6000	82
AM2D-1218SH60Z	10.8-13.2	18	111	6000	80
AM2D-1224SH60Z	10.8-13.2	24	83	6000	80
AM2D-2403SH60Z	21.6-26.4	3.3	400	6000	72
AM2D-2405SH60Z	21.6-26.4	5	400	6000	79
AM2D-2407SH60Z	21.6-26.4	7.2	278	6000	80
AM2D-2409SH60Z	21.6-26.4	9	222	6000	80
AM2D-2412SH60Z	21.6-26.4	12	167	6000	80
AM2D-2415SH60Z	21.6-26.4	15	134	6000	82
AM2D-2418SH60Z	21.6-26.4	18	111	6000	82
AM2D-2424SH60Z	21.6-26.4	24	83	6000	80
AM2D-4803SH60Z	43.2-52.8	3.3	400	6000	72
AM2D-4805SH60Z	43.2-52.8	5	400	6000	79
AM2D-4807SH60Z	43.2-52.8	7.2	278	6000	80
AM2D-4809SH60Z	43.2-52.8	9	222	6000	80
AM2D-4812SH60Z	43.2-52.8	12	167	6000	80
AM2D-4815SH60Z	43.2-52.8	15	134	6000	82

**Models**

**Single output (continued)**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-4818SH60Z	43.2-52.8	18	111	6000	82
AM2D-4824SH60Z	43.2-52.8	24	83	6000	82

**Models**

**Dual output**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-0503DZ	4.5-5.5	±3.3	±200	1000	65
AM2D-0505DZ	4.5-5.5	±5	±200	1000	72
AM2D-0507DZ	4.5-5.5	±7.2	±139	1000	72
AM2D-0509DZ	4.5-5.5	±9	±111	1000	77
AM2D-0512DZ	4.5-5.5	±12	±83	1000	78
AM2D-0515DZ	4.5-5.5	±15	±67	1000	80
AM2D-0518DZ	4.5-5.5	±18	±55	1000	80
AM2D-0524DZ	4.5-5.5	±24	±42	1000	80
AM2D-1203DZ	10.8-13.2	±3.3	±200	1000	67
AM2D-1205DZ	10.8-13.2	±5	±200	1000	75
AM2D-1207DZ	10.8-13.2	±7.2	±139	1000	76
AM2D-1209DZ	10.8-13.2	±9	±111	1000	77
AM2D-1212DZ	10.8-13.2	±12	±83	1000	82
AM2D-1215DZ	10.8-13.2	±15	±67	1000	82
AM2D-1218DZ	10.8-13.2	±18	±55	1000	82
AM2D-1224DZ	10.8-13.2	±24	±42	1000	82
AM2D-2403DZ	21.6-26.4	±3.3	±200	1000	68
AM2D-2405DZ	21.6-26.4	±5	±200	1000	75
AM2D-2407DZ	21.6-26.4	±7.2	±139	1000	75
AM2D-2409DZ	21.6-26.4	±9	±111	1000	80
AM2D-2412DZ	21.6-26.4	±12	±83	1000	82
AM2D-2415DZ	21.6-26.4	±15	±67	1000	82
AM2D-2418DZ	21.6-26.4	±18	±55	1000	82
AM2D-2424DZ	21.6-26.4	±24	±42	1000	82
AM2D-4803DZ	43.2-52.8	±3.3	±200	1000	68
AM2D-4805DZ	43.2-52.8	±5	±200	1000	75
AM2D-4807DZ	43.2-52.8	±7.2	±139	1000	75
AM2D-4809DZ	43.2-52.8	±9	±111	1000	80
AM2D-4812DZ	43.2-52.8	±12	±83	1000	82
AM2D-4815DZ	43.2-52.8	±15	±67	1000	82
AM2D-4818DZ	43.2-52.8	±18	±55	1000	82
AM2D-4824DZ	43.2-52.8	±24	±42	1000	82
AM2D-0503DH30Z	4.5-5.5	±3.3	±200	3000	65
AM2D-0505DH30Z	4.5-5.5	±5	±200	3000	72
AM2D-0507DH30Z	4.5-5.5	±7.2	±139	3000	72
AM2D-0509DH30Z	4.5-5.5	±9	±111	3000	77
AM2D-0512DH30Z	4.5-5.5	±12	±83	3000	78
AM2D-0515DH30Z	4.5-5.5	±15	±67	3000	80
AM2D-0518DH30Z	4.5-5.5	±18	±55	3000	80
AM2D-0524DH30Z	4.5-5.5	±24	±42	3000	80
AM2D-1203DH30Z	10.8-13.2	±3.3	±200	3000	67
AM2D-1205DH30Z	10.8-13.2	±5	±200	3000	75
AM2D-1207DH30Z	10.8-13.2	±7.2	±139	3000	76
AM2D-1209DH30Z	10.8-13.2	±9	±111	3000	77
AM2D-1212DH30Z	10.8-13.2	±12	±83	3000	82
AM2D-1215DH30Z	10.8-13.2	±15	±67	3000	82
AM2D-1218DH30Z	10.8-13.2	±18	±55	3000	82

**Models**

**Dual output (continued)**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-1224DH30Z	10.8-13.2	±24	±42	3000	82
AM2D-2403DH30Z	21.6-26.4	±3.3	±200	3000	68
AM2D-2405DH30Z	21.6-26.4	±5	±200	3000	75
AM2D-2407DH30Z	21.6-26.4	±7.2	±139	3000	75
AM2D-2409DH30Z	21.6-26.4	±9	±111	3000	80
AM2D-2412DH30Z	21.6-26.4	±12	±83	3000	82
AM2D-2415DH30Z	21.6-26.4	±15	±67	3000	82
AM2D-2418DH30Z	21.6-26.4	±18	±55	3000	82
AM2D-2424DH30Z	21.6-26.4	±24	±42	3000	82
AM2D-4803DH30Z	43.2-52.8	±3.3	±200	3000	68
AM2D-4805DH30Z	43.2-52.8	±5	±200	3000	75
AM2D-4807DH30Z	43.2-52.8	±7.2	±139	3000	75
AM2D-4809DH30Z	43.2-52.8	±9	±111	3000	80
AM2D-4812DH30Z	43.2-52.8	±12	±83	3000	82
AM2D-4815DH30Z	43.2-52.8	±15	±67	3000	82
AM2D-4818DH30Z	43.2-52.8	±18	±55	3000	82
AM2D-4824DH30Z	43.2-52.8	±24	±42	3000	82
<b> </b>					
AM2D-0503DH40Z	4.5-5.5	±3.3	±200	4000	65
AM2D-0505DH40Z	4.5-5.5	±5	±200	4000	72
AM2D-0507DH40Z	4.5-5.5	±7.2	±139	4000	72
AM2D-0509DH40Z	4.5-5.5	±9	±111	4000	77
AM2D-0512DH40Z	4.5-5.5	±12	±83	4000	78
AM2D-0515DH40Z	4.5-5.5	±15	±67	4000	80
AM2D-0518DH40Z	4.5-5.5	±18	±55	4000	80
AM2D-0524DH40Z	4.5-5.5	±24	±42	4000	80
AM2D-1203DH40Z	10.8-13.2	±3.3	±200	4000	67
AM2D-1205DH40Z	10.8-13.2	±5	±200	4000	75
AM2D-1207DH40Z	10.8-13.2	±7.2	±139	4000	76
AM2D-1209DH40Z	10.8-13.2	±9	±111	4000	77
AM2D-1212DH40Z	10.8-13.2	±12	±83	4000	82
AM2D-1215DH40Z	10.8-13.2	±15	±67	4000	82
AM2D-1218DH40Z	10.8-13.2	±18	±55	4000	82
AM2D-1224DH40Z	10.8-13.2	±24	±42	4000	82
AM2D-2403DH40Z	21.6-26.4	±3.3	±200	4000	68
AM2D-2405DH40Z	21.6-26.4	±5	±200	4000	75
AM2D-2407DH40Z	21.6-26.4	±7.2	±139	4000	75
AM2D-2409DH40Z	21.6-26.4	±9	±111	4000	80
AM2D-2412DH40Z	21.6-26.4	±12	±83	4000	82
AM2D-2415DH40Z	21.6-26.4	±15	±67	4000	82
AM2D-2418DH40Z	21.6-26.4	±18	±55	4000	82
AM2D-2424DH40Z	21.6-26.4	±24	±42	4000	82
AM2D-4803DH40Z	43.2-52.8	±3.3	±200	4000	68
AM2D-4805DH40Z	43.2-52.8	±5	±200	4000	75
AM2D-4807DH40Z	43.2-52.8	±7.2	±139	4000	75
AM2D-4809DH40Z	43.2-52.8	±9	±111	4000	80
AM2D-4812DH40Z	43.2-52.8	±12	±83	4000	82
AM2D-4815DH40Z	43.2-52.8	±15	±67	4000	82
AM2D-4818DH40Z	43.2-52.8	±18	±55	4000	82
AM2D-4824DH40Z	43.2-52.8	±24	±42	4000	82
<b> </b>					
AM2D-0503DH52Z	4.5-5.5	±3.3	±200	5200	65
AM2D-0505DH52Z	4.5-5.5	±5	±200	5200	72
AM2D-0507DH52Z	4.5-5.5	±7.2	±139	5200	72
AM2D-0509DH52Z	4.5-5.5	±9	±111	5200	77
AM2D-0512DH52Z	4.5-5.5	±12	±83	5200	78

**Models**

**Dual output (continued)**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-0515DH52Z	4.5-5.5	±15	±67	5200	80
AM2D-0518DH52Z	4.5-5.5	±18	±55	5200	80
AM2D-0524DH52Z	4.5-5.5	±24	±42	5200	80
AM2D-1203DH52Z	10.8-13.2	±3.3	±200	5200	67
AM2D-1205DH52Z	10.8-13.2	±5	±200	5200	75
AM2D-1207DH52Z	10.8-13.2	±7.2	±139	5200	76
AM2D-1209DH52Z	10.8-13.2	±9	±111	5200	77
AM2D-1212DH52Z	10.8-13.2	±12	±83	5200	82
AM2D-1215DH52Z	10.8-13.2	±15	±67	5200	82
AM2D-1218DH52Z	10.8-13.2	±18	±55	5200	82
AM2D-1224DH52Z	10.8-13.2	±24	±42	5200	82
AM2D-2403DH52Z	21.6-26.4	±3.3	±200	5200	68
AM2D-2405DH52Z	21.6-26.4	±5	±200	5200	75
AM2D-2407DH52Z	21.6-26.4	±7.2	±139	5200	75
AM2D-2409DH52Z	21.6-26.4	±9	±111	5200	80
AM2D-2412DH52Z	21.6-26.4	±12	±83	5200	82
AM2D-2415DH52Z	21.6-26.4	±15	±67	5200	82
AM2D-2418DH52Z	21.6-26.4	±18	±55	5200	82
AM2D-2424DH52Z	21.6-26.4	±24	±42	5200	82
AM2D-4803DH52Z	43.2-52.8	±3.3	±200	5200	68
AM2D-4805DH52Z	43.2-52.8	±5	±200	5200	75
AM2D-4807DH52Z	43.2-52.8	±7.2	±139	5200	75
AM2D-4809DH52Z	43.2-52.8	±9	±111	5200	80
AM2D-4812DH52Z	43.2-52.8	±12	±83	5200	82
AM2D-4815DH52Z	43.2-52.8	±15	±67	5200	82
AM2D-4818DH52Z	43.2-52.8	±18	±55	5200	82
AM2D-4824DH52Z	43.2-52.8	±24	±42	5200	82
AM2D-0503DH60Z	4.5-5.5	±3.3	±200	6000	65
AM2D-0505DH60Z	4.5-5.5	±5	±200	6000	72
AM2D-0507DH60Z	4.5-5.5	±7.2	±139	6000	72
AM2D-0509DH60Z	4.5-5.5	±9	±111	6000	77
AM2D-0512DH60Z	4.5-5.5	±12	±83	6000	78
AM2D-0515DH60Z	4.5-5.5	±15	±67	6000	80
AM2D-0518DH60Z	4.5-5.5	±18	±55	6000	80
AM2D-0524DH60Z	4.5-5.5	±24	±42	6000	80
AM2D-1203DH60Z	10.8-13.2	±3.3	±200	6000	67
AM2D-1205DH60Z	10.8-13.2	±5	±200	6000	75
AM2D-1207DH60Z	10.8-13.2	±7.2	±139	6000	76
AM2D-1209DH60Z	10.8-13.2	±9	±111	6000	77
AM2D-1212DH60Z	10.8-13.2	±12	±83	6000	82
AM2D-1215DH60Z	10.8-13.2	±15	±67	6000	82
AM2D-1218DH60Z	10.8-13.2	±18	±55	6000	82
AM2D-1224DH60Z	10.8-13.2	±24	±42	6000	82
AM2D-2403DH60Z	21.6-26.4	±3.3	±200	6000	68
AM2D-2405DH60Z	21.6-26.4	±5	±200	6000	75
AM2D-2407DH60Z	21.6-26.4	±7.2	±139	6000	75
AM2D-2409DH60Z	21.6-26.4	±9	±111	6000	80
AM2D-2412DH60Z	21.6-26.4	±12	±83	6000	82
AM2D-2415DH60Z	21.6-26.4	±15	±67	6000	82
AM2D-2418DH60Z	21.6-26.4	±18	±55	6000	82
AM2D-2424DH60Z	21.6-26.4	±24	±42	6000	82
AM2D-4803DH60Z	43.2-52.8	±3.3	±200	6000	68
AM2D-4805DH60Z	43.2-52.8	±5	±200	6000	75
AM2D-4807DH60Z	43.2-52.8	±7.2	±139	6000	75
AM2D-4809DH60Z	43.2-52.8	±9	±111	6000	80

**Models**

**Dual output (continued)**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-4812DH60Z	43.2-52.8	±12	±83	6000	82
AM2D-4815DH60Z	43.2-52.8	±15	±67	6000	82
AM2D-4818DH60Z	43.2-52.8	±18	±55	6000	82
AM2D-4824DH60Z	43.2-52.8	±24	±42	6000	82

**Models**

**Dual separated output**

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM2D-050303DZ	4.5-5.5	3.3 / 3.3	200 / 200	1000	73
AM2D-050505DZ	4.5-5.5	5 / 5	200 / 200	1000	78
AM2D-050707DZ	4.5-5.5	7.2 / 7.2	139 / 139	1000	75
AM2D-050909DZ	4.5-5.5	9 / 9	111 / 111	1000	78
AM2D-051212DZ	4.5-5.5	12 / 12	83 / 83	1000	82
AM2D-051515DZ	4.5-5.5	15 / 15	67 / 67	1000	82
AM2D-051818DZ	4.5-5.5	18 / 18	55 / 55	1000	79
AM2D-052424DZ	4.5-5.5	24 / 24	42 / 42	1000	75
AM2D-120303DZ	10.8-13.2	3.3 / 3.3	200 / 200	1000	73
AM2D-120505DZ	10.8-13.2	5 / 5	200 / 200	1000	78
AM2D-120707DZ	10.8-13.2	7.2 / 7.2	139 / 139	1000	75
AM2D-120909DZ	10.8-13.2	9 / 9	111 / 111	1000	78
AM2D-121212DZ	10.8-13.2	12 / 12	83 / 83	1000	82
AM2D-121515DZ	10.8-13.2	15 / 15	67 / 67	1000	82
AM2D-121818DZ	10.8-13.2	18 / 18	55 / 55	1000	78
AM2D-122424DZ	10.8-13.2	24 / 24	42 / 42	1000	75
AM2D-240303DZ	21.6-26.4	3.3 / 3.3	200 / 200	1000	73
AM2D-240505DZ	21.6-26.4	5 / 5	200 / 200	1000	78
AM2D-240707DZ	21.6-26.4	7.2 / 7.2	139 / 139	1000	75
AM2D-240909DZ	21.6-26.4	9 / 9	111 / 111	1000	78
AM2D-241212DZ	21.6-26.4	12 / 12	83 / 83	1000	82
AM2D-241515DZ	21.6-26.4	15 / 15	67 / 67	1000	82
AM2D-241818DZ	21.6-26.4	18 / 18	55 / 55	1000	75
AM2D-242424DZ	21.6-26.4	24 / 24	42 / 42	1000	75
AM2D-480303DZ	43.2-52.8	3.3 / 3.3	200 / 200	1000	78
AM2D-480505DZ	43.2-52.8	5 / 5	200 / 200	1000	78
AM2D-480707DZ	43.2-52.8	7.2 / 7.2	139 / 139	1000	78
AM2D-480909DZ	43.2-52.8	9 / 9	111 / 111	1000	78
AM2D-481212DZ	43.2-52.8	12 / 12	83 / 83	1000	80
AM2D-481515DZ	43.2-52.8	15 / 15	67 / 67	1000	80
AM2D-481818DZ	43.2-52.8	18 / 18	55 / 55	1000	80
AM2D-482424DZ	43.2-52.8	24 / 24	42 / 42	1000	80

### Input Specifications

Parameters	Nominal	Typical	Maximum	Units
Voltage range	5	4.5-5.5		VDC
	12	10.8-13.2		
	24	21.6-26.4		
	48	43.2-52.8		
Filter	Capacitor			
Turn on Transient process time			25	ms
Start up time		200		ms
Absolute Maximum Rating	5 Vin	0-7		VDC
	12 Vin	0-15		
	24 Vin	0-28		
	48 Vin	0-54		
Peak Input Voltage time		100		ms

### Isolation Specifications

Parameters	Conditions	Typical	Rated	Units
Tested I/O voltage	3 sec		1000, 3000, 4000, 5200, 6000	VDC
Resistance		> 1000		MOhm
Capacitance		60		pF

### Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy		±3		%
Voltage balance	Dual output	±1		%
Short Circuit protection		Momentary (1sec).		
Line voltage regulation (Single)	For 1.0% of Vin	±1.2		%
Line voltage regulation (Dual)	For 1.0% of Vin	±1.2		%
Load voltage regulation (Single)	Load 20~100%	±10		%
Load voltage regulation (Single) 3.3V output model	Load 20~100%	±20		%
Load voltage regulation (Dual)	Load 20~100%	±10		%
Load voltage regulation (Dual) 3.3V output model	Load 20~100%	±20		%
Temperature coefficient		±0.02		%/°C
Ripple & Noise	At 20MHz Bandwidth	75		mV p-p
Capacitive load	Single output		470	μF
	Dual output		220	μF
Rising time		100		ms

### General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency	100% load	85		KHz
Operating temperature			-40 to +75	°C
Storage temperature			-55 to +125	°C
Max Case temperature			+95	°C
Cooling		Free air convection		
Humidity			90	%
Case material		Plastic UL94-VO		
Weight		2.5		g
Dimensions (L x W x H)		0.76 x 0.24 x 0.37 inch	19.50 x 6.00 x 9.50 mm	
MTBF		>688 000 hrs (MIL-HDBK -217F, Ground Benign, t=+25°C)		

NOTE: All specifications in this datasheet are measured at an ambient temperature of 25°C, humidity<75%, nominal input voltage and at rated output load unless otherwise specified



## Safety Specifications

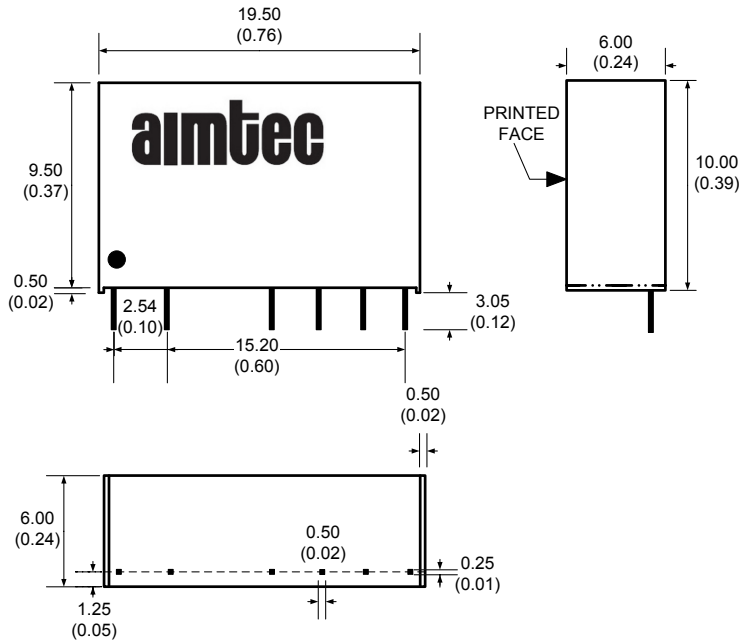
### Parameters

Agency approvals	CE (Except dual separated models)
Standards	EN55022 (Radiated Emissions) class B
	EN55024 (Noise Immunity), IEC61000-4-2(ESD)
	IEC61000-4-3 (Radiated immunity)

## Pin Out Specifications

Pin	1000 VDC			3000, 4000 , 5200, 6000 VDC	
	Single	Dual	Dual separated	Single	Dual
1	+ V Input	+ V Input	+ V Input	+ V Input	+ V Input
2	- V Input	- V Input	- V Input	- V Input	- V Input
4	- V Output	- V Output	+V1 Output	No pin	No pin
5	No pin	Common	-V1 Output	-V Output	-V Output
6	+ V Output	+ V Output	+V2 Output	No pin	Common
7	No pin	No pin	-V2 Output	+V Output	+V Output

## Dimensions



**NOTE:** 1. Datasheets are updated as needed and as such, specifications are subject to change without notice. Once printed or downloaded, datasheets are no longer controlled by Aimtec; refer to [www.aimtec.com](http://www.aimtec.com) for the most current product specifications. 2. Product labels shown, including safety agency certifications on labels, may vary based on the date manufactured. 3. Mechanical drawings and specifications are for reference only. 4. All specifications are measured at an ambient temperature of 25°C, humidity < 75%, nominal input voltage and at rated output load unless otherwise specified. 5. Aimtec may not have conducted destructive testing or chemical analysis on all internal components and chemicals at the time of publishing this document. CAS numbers and other limited information are considered proprietary and may not be available for release. 6. This product is not designed for use in critical life support systems, equipment used in hazardous environments, nuclear control systems or other such applications which necessitate specific safety and regulatory standards other than the ones listed in this datasheet. 7. Warranty is in accordance with Aimtec's standard Terms of Sale available at [www.aimtec.com](http://www.aimtec.com).