



FEATURES:

- RoHScompliant
- Regulated output voltage
- Low ripple and noise
- High efficiency up to 74%
- Operating temperature -40°C to +85°C
- Input / Output Isolation 1000 & 3000VDC
- Pin computable with multiple manufacturers
- UL94-VO Package



Models

Single output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Input Current Max No Load (mA)	Isolation (VDC)	Efficiency (%)
AM1DR-0505S-NZ	4.75-5.25	5	150	299 30	1000	69
AM1DR-0515S-NZ	4.75-5.25	15	67	274 30	1000	72
AM1DR-1205S-NZ	11.4-12.6	5	150	124 15	1000	69
AM1DR-2405S-NZ	22.8-25.2	5	150	61 8	1000	70
AM1DR-0505SH30-NZ	4.75-5.25	5	200	303 30	3000	66
AM1DR-0512SH30-NZ	4.75-5.25	12	83	278 30	3000	72
AM1DR-0524SH30-NZ	4.75-5.25	24	41	274 30	3000	73
AM1DR-1205SH30-NZ	11.4-12.6	5	200	124 15	3000	67
AM1DR-1212SH30-NZ	11.4-12.6	12	83	114 15	3000	73
AM1DR-1215SH30-NZ	11.4-12.6	15	67	113 15	3000	74
AM1DR-2405SH30-NZ	22.8-25.2	5	200	62 8	3000	67
AM1DR-2412SH30-NZ	22.8-25.2	12	83	57 8	3000	73
AM1DR-2415SH30-NZ	22.8-25.2	15	67	56 8	3000	74

Input Specifications

Parameters	Nominal	Typical	Maximum	Units
Voltage range	5	4.75-5.25		VDC
	12	11.4-12.6		
	24	22.8-25.2		
Filter	Capacitor			

Isolation Specifications

Parameters	Conditions	Typical	Rated	Units
Tested I/O voltage	60 sec		1000 & 3000	VDC
Resistance		>1000		Mohm
Capacitance		60		pF

Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy		±3		%
Short Circuit protection	Momentary (1sec)			
Line voltage regulation (Single)	Input voltage: ±5%	±0.25		%
Load voltage regulation (Single)	10-100%	±1	±2	%
Temperature coefficient		±0.03		%/°C
Ripple & Noise		50		mVp-p

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency	100% load	100	300	KHz
Operating temperature	Derating above 71°C		-40 to +85	°C
Storage temperature			-55 to +125	°C

