



FEATURES:

- RoHS compliant
- 2:1 input range
- Low ripple and noise
- Remote On/Off control
- Synchronous rectifier
- Power modules for PCB mounting
- Regulated output
- Operating temperature range: -40 to +75°C
- Capacitive loading up to 41000 μ F (36-75V input)

Models Single output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (A)	Ripple & Noise % Vout, max	Isolation (VDC)	Efficiency (%)
AM15E-1203SIZ	9-18	3.3	4	80mV p-p	1500	79
AM15E-1205SIZ	9-18	5	3	80mV p-p	1500	83
AM15E-1212SIZ	9-18	12	1.25	1	1500	85
AM15E-1215SIZ	9-18	15	1	1	1500	85
AM15E-2403SIZ	18-36	3.3	4	80mV p-p	1500	81
AM15E-2405SIZ	18-36	5	3	80mV p-p	1500	83
AM15E-2412SIZ	18-36	12	1.25	1	1500	88
AM15E-2415SIZ	18-36	15	1	1	1500	87
AM15E-4803SIZ	36-75	3.3	4	80mV p-p	1500	81
AM15E-4805SIZ	36-75	5	3	80mV p-p	1500	83
AM15E-4812SIZ	36-75	12	1.25	1	1500	88
AM15E-4815SIZ	36-75	15	1	1	1500	87

Models Dual output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (A)	Ripple & Noise % Vout, max	Isolation (VDC)	Efficiency (%)
AM15E-1205DIZ	9-18	$\pm$ 5	$\pm$ 1.5	1	1500	85
AM15E-1212DIZ	9-18	$\pm$ 12	$\pm$ 0.62	1	1500	85
AM15E-1215DIZ	9-18	$\pm$ 15	$\pm$ 0.5	1	1500	85
AM15E-2405DIZ	18-36	$\pm$ 5	$\pm$ 1.5	1	1500	83
AM15E-2412DIZ	18-36	$\pm$ 12	$\pm$ 0.62	1	1500	88
AM15E-2415DIZ	18-36	$\pm$ 15	$\pm$ 0.5	1	1500	87
AM15E-4805DIZ	36-75	$\pm$ 5	$\pm$ 1.5	1	1500	83
AM15E-4812DIZ	36-75	$\pm$ 12	$\pm$ 0.62	1	1500	88
AM15E-4815DIZ	36-75	$\pm$ 15	$\pm$ 0.5	1	1500	87

Input Specifications

Parameters	Nominal	Typical	Maximum	Units
Voltage range		9-18 18-36 37-75		VDC
Filter		π (Pi) Network		
Remote On/Off Control	On	3.5 to 12VDC or open circuit		
	Off	0 to 1.2VDC or short circuit between pin 2 and 4; typical idle current 3mA		
Absolute Maximum Rating	12 Vin		20	VDC
	24 Vin		40	
	48 Vin		83	
Permissible absolute maximum duration			2	h