



FEATURES:

- RoHS compliant
- Power modules for PCB mounting
- Wide 2:1 input range
- Low ripple and noise
- Remote on/off control (optional)
- Regulated output

Models

Single output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (A)	Isolation (VDC)	Efficiency (%)
AM15E-1203SCZ	9-18	3.3	3	1500	77
AM15E-1205SCZ	9-18	5	3	1500	80
AM15E-1212SCZ	9-18	12	1.25	1500	82
AM15E-1215SCZ	9-18	15	1	1500	84
AM15E-1224SCZ	9-18	24	0.62	1500	84
AM15E-2403SCZ	18-36	3.3	3	1500	77
AM15E-2405SCZ	18-36	5	3	1500	82
AM15E-2412SCZ	18-36	12	1.25	1500	85
AM15E-2415SCZ	18-36	15	1	1500	86
AM15E-2424SCZ	18-36	24	0.62	1500	87
AM15E-4803SCZ	36-75	3.3	3	1500	79
AM15E-4805SCZ	36-75	5	3	1500	83
AM15E-4812SCZ	36-75	12	1.25	1500	86
AM15E-4815SCZ	36-75	15	1	1500	87
AM15E-4824SCZ	36-75	24	0.62	1500	87

Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage range		9-18, 18-36, 36-75		VDC
Filter		π (Pi) Network		

Isolation Specifications

Parameters	Conditions	Typical	Maximum	Units
Rated voltage		1500		VDC
Resistance		> 100		MOhm
Capacitance		1000		pF

Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy			± 2	%
Short Circuit protection	Auto recovery	Current limit,		
Over voltage protection		Zener diode clamp protection		
Over load protection		Works 120% of rating and recovers automatically		%
Line voltage regulation (Single)	HL-LL		± 0.5	%
Line voltage regulation (Dual)	HL-LL		± 0.5	%
Load voltage regulation (Single)	10-100%		± 1	%
Load voltage regulation (Dual)	10-100%		± 1	%
Temperature coefficient		± 0.02		%/°C
Ripple			0.2% Vout + 40mV max	Vp-p
Noise			0.5% Vout + 50mV max	Vp-p

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency	100% load	300		KHz
Operating temperature		-25 to +70		°C
Storage temperature		-55 to +105		°C
Case temperature			100	°C
Derating	Above 70°C			
Cooling	Free air convection			
Humidity	Non condensing		95	%
Case material	Nickel coated copper with non-conductive base, shielded on six sides			
Weight		32		g
Dimensions		2.0 x 1.00 x 0.425 inches		50.8 x 25.4 x 10.8 mm
MTBF	> 800 000 hrs (MIL-HDBK -217F, Ground Benign, t=+25°C)			

Safety Specifications

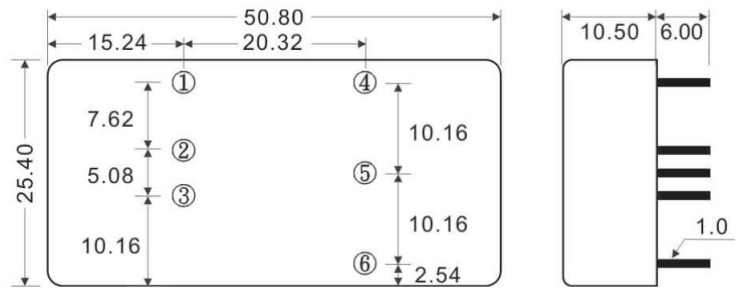
Standards

Agency approvals: CE, cULus

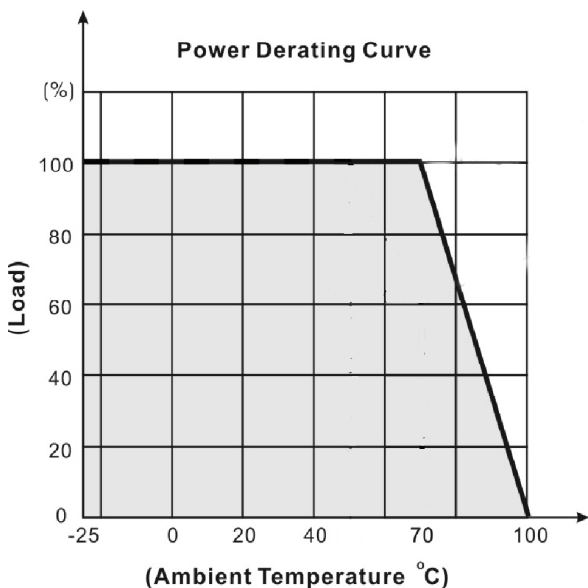
Pin Out Specifications

Pin	1500VDC Single
1	On/Off Control (optional)
2	-V Input
3	+V Input
4	-V Output
5	No Pin
6	+V Output

Dimensions



Derating



Block diagram

Single Output

