



FEATURES:

- RoHS compliant
- Power modules for PCB mounting
- Wide 2:1 input range
- Regulated output
- Low ripple and noise
- Remote on/off control (optional)
- Input/Output Isolation 1500VDC
- Operating temperature -25°C to + 71°C

Models

Single output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (A)	Min. load (%)	Efficiency (%)
AM10E-1203SCZ	9-18	3.3	2	3	74
AM10E-1205SCZ	9-18	5	2	3	80
AM10E-1212SCZ	9-18	12	0.83	0	81
AM10E-1215SCZ	9-18	15	0.67	0	82
AM10E-1224SCZ	9-18	24	0.42	0	81
AM10E-2403SCZ	18-36	3.3	2	3	74
AM10E-2405SCZ	18-36	5	2	3	81
AM10E-2412SCZ	18-36	12	0.83	0	84
AM10E-2415SCZ	18-36	15	0.67	0	85
AM10E-2424SCZ	18-36	24	0.42	0	84
AM10E-4803SCZ	36-75	3.3	2	3	76
AM10E-4805SCZ	36-75	5	2	3	81
AM10E-4812SCZ	36-75	12	0.83	0	84
AM10E-4815SCZ	36-75	15	0.67	0	84
AM10E-4824SCZ	36-75	24	0.42	0	84

Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage range	12	9-18		VDC
	24	18-36		
	48	36-75		
Filter	π (Pi) Network			

Isolation Specifications

Parameters	Conditions	Typical	Maximum	Units
Rated voltage		1500		VDC
Resistance		> 1000		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		
Over load protection	Works 120% of rating and recovers automatically			
Line voltage regulation	HL-LL	±0.5		%
Load voltage regulation	10-100%	±1		%
Temperature coefficient		±0.02		%/°C
Ripple			0.2% Vout + 20mV	Vp-p
Noise			0.5% Vout + 50mV	Vp-p

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency	100% load	300		KHz
Operating temperature		-25 to +71		°C
Storage temperature		-55 to +105		°C
Case temperature			100	°C
Derating	Non-Required			
Cooling	Free air convection			
Humidity	Non condensing		95	%
Case material	Nickel coated copper with non-conductive base			
Weight		32		g
Dimensions	Tolerance $\pm 0.5\text{mm}$	2.00 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, $t=+25^{\circ}\text{C}$)			

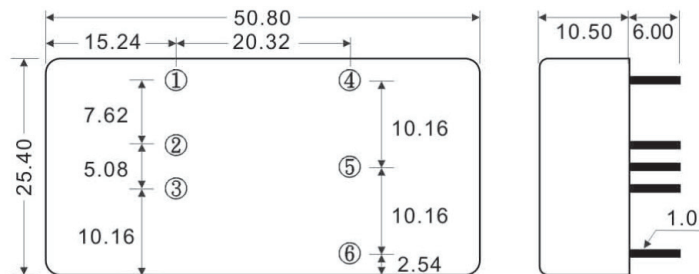
Safety Specifications

Standards	
Safety	EN 55022 CLASS A
Agency approvals	CE, cULus

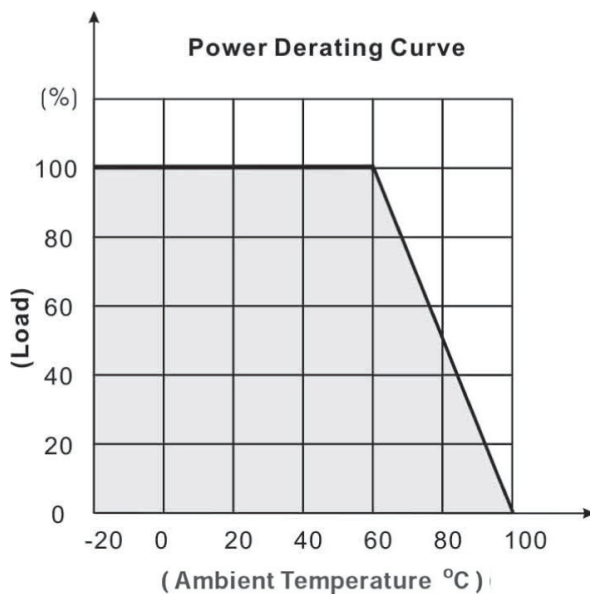
Pin Out Specifications

Pin	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

