



### FEATURES:

- RoHS compliant
- Power modules for PCB mounting
- Synchronous rectifier topology
- Surface mount technology
- Standard 2"x1" package and pin out
- Remote on/off control (optional)
- 2:1 input range

### Models

#### Single output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (A)	Ripple mV (p-p) max	Noise mV (p-p) max	Isolation (VDC)	Efficiency (%)
AM20E-2402SCZ	18-36	2.5	5	110	200	1500	83
AM20E-2403SCZ	18-36	3	4.25	110	200	1500	86
AM20E-2405SCZ	18-36	5	4	110	200	1500	87
AM20E-4802SCZ	36-72	2.5	5	110	200	1500	83
AM20E-4803SCZ	36-72	3	4.25	110	200	1500	86
AM20E-4805SCZ	36-72	5	4	110	200	1500	87

### Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage range		18-36 36-75		VDC
Filter		$\pi$ (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			$\pm 2$	%
Short Circuit protection	Auto recovery	Current limit		
Over voltage protection		Zener diode clamp protection		
Over load protection	Auto recovery	Works 120% of rating		%
Line voltage regulation	HL-LL		$\pm 0.5$	%
Load voltage regulation	10-100%		$\pm 1$	%
Temperature coefficient		$\pm 0.02$		%/°C

### General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency	100% load	400		KHz
Operating temperature	With derating above 40°C	-25 to +71		°C
Storage temperature		-55 to +105		°C
Case temperature			100	°C
Cooling	Free air convection			
Humidity	Non condensing		95	%
Case material	Nickel coated copper with non-conductive base			
Weight		32		g
Dimensions	Tolerance $\pm 0.5$ mm	2.0 x 1.00 x 0.425 inches	50.8 x 25.4 x 10.8 mm	
MTBF		> 550 000 hrs (MIL-HDBK -217F, Ground Benign, t=+25°C)		

### Safety Specifications

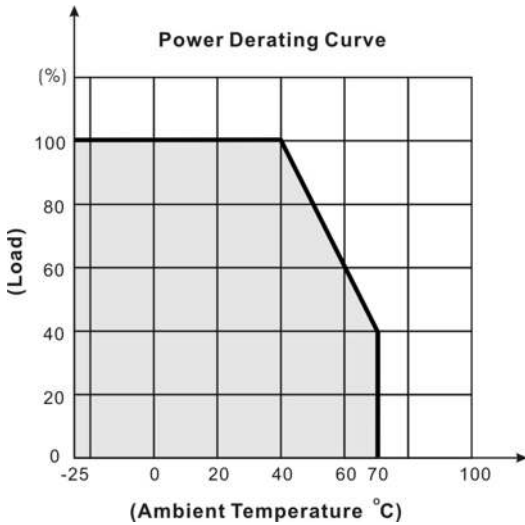
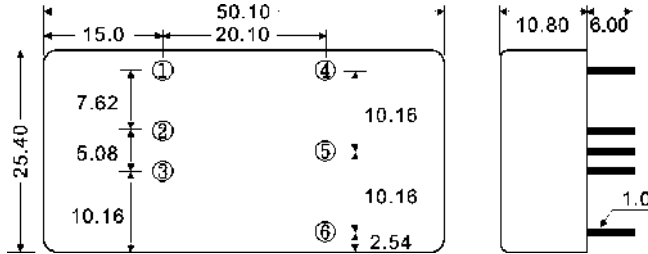
#### Standards

Agency approvals	CE, cULus
Safety	EN55022 class A (EMI - Conducted & Radiated Emission), EN61000-4-2-6

### 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



### Block diagram

