



FEATURES:

- RoHS compliant
- Power modules for PCB mounting
- Wide 4:1 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 (%)
AM15EW-2403SCZ	10-40	3.3	3	1500	70
AM15EW-2405SCZ	10-40	5	3	1500	76
AM15EW-2412SCZ	10-40	12	1.25	1500	77
AM15EW-2415SCZ	10-40	15	1	1500	75
AM15EW-4803SCZ	18-75	3.3	3	1500	71
AM15EW-4805SCZ	18-75	5	3	1500	78
AM15EW-4812SCZ	18-75	12	1.25	1500	79
AM15EW-4815SCZ	18-75	15	1	1500	79

Models

Dual output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (A)	Isolation (VDC)	Efficiency (%)
AM15EW-2405DCZ	10-40	±5V	±1.5	1500	78
AM15EW-2412DCZ	10-40	±12	±0.63	1500	79
AM15EW-2415DCZ	10-40	±15	±0.5	1500	79
AM15EW-4805DCZ	18-75	±5	±1.5	1500	78
AM15EW-4812DCZ	18-75	±12	±0.63	1500	79
Am15EW-4815DCZ	18-75	±15	±0.5	1500	79

Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage range		10-40 18-75		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		%

Output Specifications (continued)

Parameters	Conditions	Typical	Maximum	Units
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 50°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)			

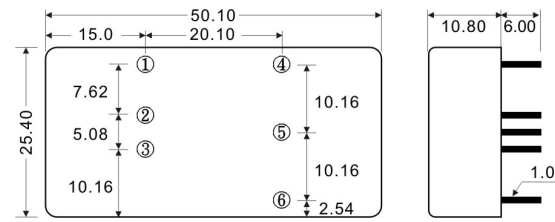
Safety Specifications

Standards	
Agency approvals	CE, cULus

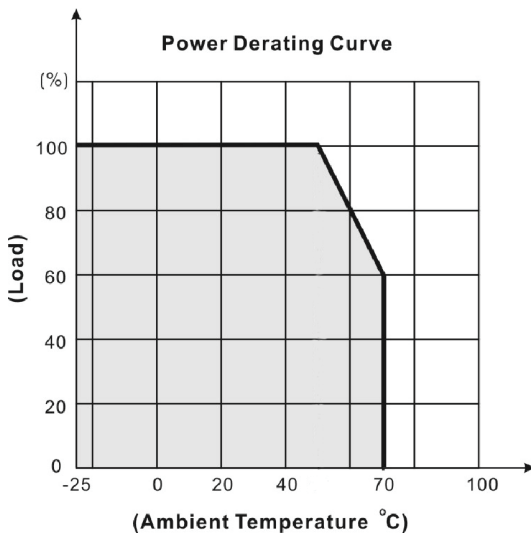
Pin Out Specifications

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

Dimensions

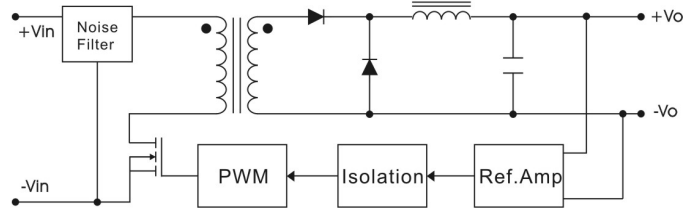


Derating



Block diagram

Single Output



Dual Outputs

