



FEATURES:

- RoHS compliant
- 24 Pin DIP Package
- Power modules for PCB mounting
- Plastic encapsulated case
- Operating temperature -25°C to + 71°C
- Low ripple and noise
- Regulated output
- Wide 4:1 input range

Models

Single output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM5TW-2403SCZ	9-36	3.3	1200	1500	71
AM5TW-2405SCZ	9-36	5	1000	1500	75
AM5TW-2412SCZ	9-36	12	500	1500	82
AM5TW-2415SCZ	9-36	15	400	1500	79
AM5TW-2424SCZ	9-36	24	250	1500	81
AM5TW-4803SCZ	18-75	3.3	1200	1500	71
AM5TW-4805SCZ	18-75	5	1000	1500	75
AM5TW-4812SCZ	18-75	12	500	1500	82
AM5TW-4815SCZ	18-75	15	400	1500	82
AM5TW-4824SCZ	18-75	24	250	1500	81

Models

Dual output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM5TW-2405DCZ	9-36	±5	±500	1500	75
AM5TW-2412DCZ	9-36	±12	±250	1500	78
AM5TW-2415DCZ	9-36	±15	±200	1500	75
AM5TW-4805DCZ	18-75	±5	±500	1500	77
AM5TW-4812DCZ	18-75	±12	±250	1500	83
AM5TW-4815DCZ	18-75	±15	±200	1500	81

Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage range		24, 9-36 48, 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		
Short circuit restart	Automatic			
Over current protection	Works over 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		%

Output Specifications (Continue)

Parameters	Conditions	Typical	Maximum	Units
Temperature coefficient		±0.02		%/°C
Ripple			0.2%Vout +20mV max	mV p-p
Noise			0.5%Vout +50mV max	mV p-p

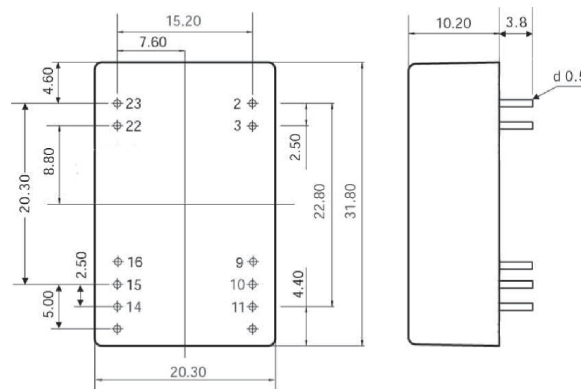
General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency	100% load	300		KHz
Operating temperature	Without derating	-25 to +71		°C
Storage temperature		-55 to +105		°C
Case temperature			100	°C
Cooling	Free air convection			
Humidity	Non condensing		95	%
Case material	6 Side shielded aluminum with non-conductive base. Black anodize			
Weight		13		g
Dimensions		1.25 x 0.8 x 0.4 inches	31.8 x 20.3 x 10.2 mm tolerance ±0.5mm	
MTBF	>800 000 hrs (MIL-HDBK -217F, Ground Benign, t=+25°C)			

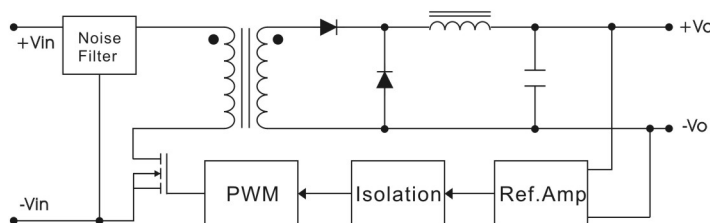
Pin Out Specifications

Pin	1500VDC	
	Single	Dual
2	-V Input	-V Input
3	-V Input	-V Input
9	N.C.	Common
10	N.C.	N.C.
11	N.C.	-V Output
14	+V Output	+V Output
15	N.C.	N.C.
16	-V Output	Common
22	+V Input	+V Input
23	+V Input	+V Input

Dimensions



Single Output



Dual Output

