



FEATURES:

- RoHS compliant
- 24 Pin DIP Package
- Wide 4:1 input range
- Power modules for PCB mounting
- Operating temperature -40°C to +75°C
- Regulated output
- Low ripple and noise
- Input/Output Isolation voltage 1500VDC

Models Single output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Ripple & Noise max, (%)	Efficiency (%)
AM8TW-2403SIZ	9-36	3.3	1400	80mV p-p	76
AM8TW-2405SIZ	9-36	5	1500	80mV p-p	82
AM8TW-2412SIZ	9-36	12	620	120mV p-p	84
AM8TW-2415SIZ	9-36	15	500	150mV p-p	84
AM8TW-4803SIZ	18-75	3.3	1400	80mV p-p	76
AM8TW-4805SIZ	18-75	5	1500	80mV p-p	82
AM8TW-4812SIZ	18-75	12	620	120mV p-p	84
AM8TW-4815SIZ	18-75	15	500	150mV p-p	84

Models Dual output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Ripple & Noise max, (%)	Efficiency (%)
AM8TW-2405DIZ	9-36	±5	±750	80mV p-p	82
AM8TW-2412DIZ	9-36	±12	±310	120mV p-p	84
AM8TW-2415DIZ	9-36	±15	±250	150mV p-p	84
AM8TW-4805DIZ	18-75	±5	±750	80mV p-p	82
AM8TW-4812DIZ	18-75	±12	±310	120mV p-p	84
AM8TW-4815DIZ	18-75	±15	±250	150mV p-p	83

Input Specifications

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

Isolation Specifications

Parameters	Conditions	Typical	Maximum	Units
Rated voltage	60 sec	1500		VDC
Resistance		> 1000		MOhm
Capacitance		1000		pF

Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy			±2	%
Short Circuit protection	Auto recovery	Continuous		
Over voltage protection		Zener diode clamp		
Over load protection	Over 110% full load 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%		±0.5	%
Load voltage regulation (Dual)	10-100%		±2	%
Temperature coefficient			±0.05	%/°C

