

FEATURES:



- RoHS compliant
- 24 Pin DIP Package
- High efficiency up to 84%
- Wide 4:1 input range
- Operating temperature -40°C to + 85°C
- Input / Output Isolation 1500VDC
- Pin compatible with multiple manufacturers
- Continuous short circuit protection

Models

Single output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM5TW-2403S-RZ	9-36	3.3	1200	1500	75
AM5TW-2405S-RZ	9-36	5	1000	1500	80
AM5TW-2407S-RZ	9-36	7.2	690	1500	78
AM5TW-2409S-RZ	9-36	9	556	1500	80
AM5TW-2412S-RZ	9-36	12	417	1500	81
AM5TW-2415S-RZ	9-36	15	333	1500	84
AM5TW-2418S-RZ	9-36	18	278	1500	82
AM5TW-2424S-RZ	9-36	24	209	1500	82
AM5TW-4803S-RZ	18-72	3.3	1200	1500	75
AM5TW-4805S-RZ	18-72	5	1000	1500	81
AM5TW-4807S-RZ	18-72	7.2	690	1500	80
AM5TW-4809S-RZ	18-72	9	556	1500	82
AM5TW-4812S-RZ	18-72	12	417	1500	83
AM5TW-4815S-RZ	18-72	15	333	1500	84
AM5TW-4818S-RZ	18-72	18	278	1500	83
AM5TW-4824S-RZ	18-72	24	209	1500	83

Models

Dual output

Model	Input Voltage (V)	Output Voltage (V)	Output Current max (mA)	Isolation (VDC)	Efficiency (%)
AM5TW-2403D-RZ	9-36	±3.3	±758	1500	79
AM5TW-2405D-RZ	9-36	±5	±500	1500	81
AM5TW-2407D-RZ	9-36	±7.2	±347	1500	80
AM5TW-2409D-RZ	9-36	±9	±278	1500	82
AM5TW-2412D-RZ	9-36	±12	±208	1500	83
AM5TW-2415D-RZ	9-36	±15	±167	1500	83
AM5TW-2418D-RZ	9-36	±18	±139	1500	83
AM5TW-2424D-RZ	9-36	±24	±104	1500	83
AM5TW-4803D-RZ	18-72	±3.3	±600	1500	80
AM5TW-4805D-RZ	18-72	±5	±500	1500	81
AM5TW-4807D-RZ	18-72	±7.2	±347	1500	80
AM5TW-4809D-RZ	18-72	±9	±278	1500	82
AM5TW-4812D-RZ	18-72	±12	±209	1500	82
AM5TW-4815D-RZ	18-72	±15	±167	1500	83
AM5TW-4818D-RZ	18-72	±18	±139	1500	82
AM5TW-4824D-RZ	18-72	±24	±104	1500	82

Input Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage range	24	9-36		VDC
	48	18-72		
Filter	π (Pi) Network			

Isolation Specifications

Parameters	Conditions	Typical	Maximum	Units
Rated voltage	60 sec	1500		VDC
Resistance		>1000		MOhm
Capacitance		390		pF

Output Specifications

Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy			±1	%
Voltage balance	Dual output	±1		%
Short Circuit protection	Continuous			
Short circuit restart	Automatic			
Line voltage regulation (Single)			±0.5	%
Line voltage regulation (Dual)			±0.5	%
Load voltage regulation (Single)			±0.5	%
Load voltage regulation (Dual)			±0.5	%
Temperature coefficient			±0.02	%/°C
Ripple & Noise	At 20MHz Bandwidth	60		mV p-p

General Specifications

Parameters	Conditions	Typical	Maximum	Units
Switching frequency	100% load	260		KHz
Operating temperature		-40 to +85		°C
Storage temperature		-40 to +125		°C
Case temperature			100	°C
Cooling	Free air convection			
Humidity	Non condensing		90	%
Case material	Nickel coated copper			
Weight		26		g
Dimensions		1.25 x 0.8 x 0.4 inches	31.75 x 20.32 x 10.16 mm	
MTBF		>1 050 000 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	No pin	Common
11	N.C.	-V Output
14	+V Output	+V Output
16	-V Output	Common
22	+V Input	+V Input
23	+V Input	+V Input

Dimensions

