

EC 278/2009 EcoDesign Test Report

EUT:


TIW 24-124

Manufacturer No:

024UWA184

230VAC High Line						
Summary	Unit	User ID				
Unit Type	024UWA184	KB				
Input Voltage	[VAC]	230				
Nominal output current	[A]	1				
Nominal Output Voltage	[V]	24				
Nominal O/P Power	[W]	24				
Burn In Time	[min]	5				
Load Condition		1	2	3	4	5
Percentage of nominal output current		100.00%	75.00%	50.00%	25.00%	0.00%
RMS output current	[A]	0.991	0.750	0.496	0.242	0.000
Load Condition	[%]	99.09	74.96	49.63	24.20	0.00
RMS output voltage	[V]	-23.973	-23.977	-23.981	-23.985	-23.990
Active output power	[W]	-23.756	-17.973	-11.902	-5.806	0.000
RMS input voltage	[V]	230.260	230.260	230.270	230.280	230.290
RMS input power	[W]	27.963	21.286	14.283	7.205	0.205
Total harmonic distortison THD	[%]	164.40	175.40	188.00	190.70	8.70
True PFC	[%]	46.10	42.70	37.50	27.60	1.10
Power consumed	[W]	51.719	39.259	26.185	13.011	0.205
Efficiency	[%]	-84.96	-84.44	-83.33	-80.58	
Average Efficiency (1-4)	[%]	83.78				
Min required efficiency	[%]	82.22				
Standby Power Loss	[W]	0.205				
Allowable Standby Power Loss	[W]	0.300				

Percentage of nominal output current	
Load Condition 1	100.00%
Load Condition 2	75.00%
Load Condition 3	50.00%
Load Condition 4	25.00%
Load Condition 5	0.00%

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EUT:


TIW 24-124

Manufacturer No:

024UWA184

115VAC Low Line						
Summary	Unit	User ID				
Unit Type	024UWA184	KB				
Input Voltage	[VAC]	115				
Nominal output current	[A]	0.75				
Nominal Output Voltage	[V]	24				
Nominal O/P Power	[W]	18				
Burn In Time	[min]	5				
Load Condition		1	2	3	4	5
Percentage of nominal output current		100.00%	75.00%	50.00%	25.00%	0.00%
RMS output current	[A]	0.751	0.554	0.372	0.184	0.000
Load Condition	[%]	100.10	73.93	49.62	24.50	0.00
RMS output voltage	[V]	-23.918	-23.922	-23.925	-23.929	-23.932
Active output power	[W]	-17.957	-13.264	-8.903	-4.397	0.000
RMS input voltage	[V]	115.090	115.110	115.130	115.140	115.150
RMS input power	[W]	21.495	15.694	10.572	5.308	0.120
Total harmonic distortson THD	[%]	112.40	126.50	143.70	171.80	25.50
True PFC	[%]	58.30	55.10	50.50	41.40	2.00
Power consumed	[W]	39.452	28.958	19.475	9.705	0.120
Efficiency	[%]	-83.54	-84.52	-84.21	-82.85	
Average Efficiency (1-4)	[%]	83.78				
Min required efficiency	[%]	80.41				
Standby Power Loss	[W]	0.120				
Allowable Standby Power Loss	[W]	0.300				

Percentage of nominal output current	
Load Condition 1	100.00%
Load Condition 2	75.00%
Load Condition 3	50.00%
Load Condition 4	25.00%
Load Condition 5	0.00%

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