


EC 278/2009 EcoDesign Test Report

EUT: TPC055-148
 Manufacturer No: 050PSC185

230VAC High Line						
Summary	Unit	User ID				
Unit Type	050PSC185	TS				
Input Voltage	[VAC]	230				
Nominal output current	[A]	1.15				
Nominal Output Voltage	[V]	48				
Nominal O/P Power	[W]	55				
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]	1.151	0.861	0.572	0.283	0.000
Load Condition	[%]	100.05	74.83	49.77	24.64	0.00
RMS output voltage	[V]	48.003	48.009	48.015	48.021	48.859
Active output power	[W]	55.231	41.314	27.481	13.606	0.000
RMS input voltage	[V]	230.017	230.035	230.045	230.057	230.064
RMS input power	[W]	60.756	46.575	31.677	15.808	0.420
Total harmonic distortions THD	[%]	192.93	200.02	207.42	219.19	17.94
True PFC	[%]	44.80	43.00	40.60	34.90	2.00
Power consumed	[W]	5.525	5.261	4.196	2.202	0.420
Efficiency	[%]	90.91	88.70	86.75	86.07	
Average Efficiency (1-4)	[%]	88.11				
Min required efficiency	[%]	87.00				
Standby Power Loss	[W]	0.420				
Allowable Standby Power Loss	[W]	0.500				

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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115VAC Low Line						
Summary	Unit	User ID				
Unit Type	050PSC185	TS				
Input Voltage	[VAC]	115				
Nominal output current	[A]	1.15				
Nominal Output Voltage	[V]	48				
Nominal O/P Power	[W]	55				
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]	1.151	0.861	0.572	0.284	0.000
Load Condition	[%]	100.08	74.91	49.78	24.67	0.00
RMS output voltage	[V]	48.016	48.023	48.028	48.035	48.185
Active output power	[W]	55.263	41.371	27.494	13.625	0.000
RMS input voltage	[V]	114.920	114.942	114.961	114.978	114.993
RMS input power	[W]	62.013	46.225	30.866	15.411	0.262
Total harmonic distortson THD	[%]	149.07	162.33	176.85	193.93	51.06
True PFC	[%]	53.30	50.40	47.50	43.80	3.70
Power consumed	[W]	6.750	4.854	3.372	1.786	0.262
Efficiency	[%]	89.12	89.50	89.08	88.41	
Average Efficiency (1-4)	[%]	89.03				
Min required efficiency	[%]	87.00				
Standby Power Loss	[W]	0.262				
Allowable Standby Power Loss	[W]	0.500				

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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