

EC 278/2009 EcoDesign Test Report

EUT:


TPC 030-105

Manufacturer No:

traco sample

230VAC High Line						
Summary	Unit	User ID				
Unit Type	030PSC181	TS				
Input Voltage	[VAC]	230				
Nominal output current	[A]	4				
Nominal Output Voltage	[V]	5				
Nominal O/P Power	[W]	20				
Burn In Time	[min]	1				
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]	3.995	2.995	1.995	0.998	0.000
Load Condition	[%]	99.88	74.86	49.88	24.96	0.00
RMS output voltage	[V]	4.988	4.996	5.004	5.012	5.020
Active output power	[W]	19.926	14.960	9.983	5.003	0.000
RMS input voltage	[V]	230.030	230.036	230.044	230.036	230.045
RMS input power	[W]	24.859	18.557	12.491	6.417	0.266
Total harmonic distortison THD	[%]	201.54	209.09	214.87	202.99	10.94
True PFC	[%]	39.90	36.60	31.50	21.80	1.10
Power consumed	[W]	4.933	3.597	2.508	1.414	0.266
Efficiency	[%]	80.16	80.62	79.92	77.97	
Average Efficiency (1-4)	[%]	79.67				
Min required efficiency	[%]	78.57				
Standby Power Loss	[W]	0.266				
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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Iss	Change	Date	Name		

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EUT:


TPC 030-105

Manufacturer No:

Traco sample

115VAC Low Line						
Summary	Unit	User ID				
Unit Type	030PSC181	TS				
Input Voltage	[VAC]	115				
Nominal output current	[A]	4				
Nominal Output Voltage	[V]	5				
Nominal O/P Power	[W]	20				
Burn In Time	[min]	1				
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]	3.995	2.995	1.994	0.999	0.000
Load Condition	[%]	99.87	74.87	49.86	24.98	0.00
RMS output voltage	[V]	4.988	4.996	5.004	5.012	5.020
Active output power	[W]	19.927	14.963	9.980	5.008	0.000
RMS input voltage	[V]	114.954	114.963	114.972	114.982	114.990
RMS input power	[W]	24.898	18.530	12.271	6.173	0.141
Total harmonic distortson THD	[%]	153.60	166.59	183.20	206.23	28.17
True PFC	[%]	51.70	48.60	44.50	37.40	1.80
Power consumed	[W]	4.971	3.567	2.291	1.165	0.141
Efficiency	[%]	80.03	80.75	81.33	81.12	
Average Efficiency (1-4)	[%]	80.81				
Min required efficiency	[%]	78.57				
Standby Power Loss	[W]	0.141				
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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