

Anex Kolink SFX-350

Lab ID#: KL35001790 Receipt Date: Jun 27, 2020 Test Date: Feb 9, 2021

Report: 21PS1790A

Report Date: Feb 11, 2021

Brand Kolink  Manufacturer (OEM)  Series SFX  Model Number	DUT INFORMATION					
Series SFX Model Number	Brand					
Model Number	Manufacturer (OEM)					
100011011001	Series					
0.0000000000000000000000000000000000000	Model Number					
Serial Number 2002120039191350BRP1H03000363	Serial Number					
DUT Notes	DUT Notes					

DUT SPECIFICATIONS						
Rated Voltage (Vrms)	230					
Rated Current (Arms)	3					
Rated Frequency (Hz)	50					
Rated Power (W)	350					
Туре	SFX					
Cooling	80mm Sleeve Bearing Fan (S0801512M)					
Semi-Passive Operation	Х					
Cable Design	Fixed cables					

TEST EQUIPMENT	
Electronic Loads	Chroma 63601-5 x4 Chroma 63600-2 x2 63640-80-80 x20 63610-80-20 x2
AC Sources	Chroma 6530, Keysight AC6804B
Power Analyzers	N4L PPA1530 x2
Sound Analyzer	Bruel & Kjaer 2270 G4
Microphone	Bruel & Kjaer Type 4955-A
Data Loggers	Picoscope TC-08 x2, Labjack U3-HV x2
Tachometer	UNI-T UT372 x2
Digital Multimeter	Keysight U1273AX, Fluke 289, Keithley 2015 - THD
UPS	CyberPower OLS3000E 3kVA x2
Transformer	3kVA x2

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**PAGE 1/11** 



Anex Kolink SFX-350

RESULTS	
Temperature Range (°C /°F)	30-32 / 86-89.6
ErP Lot 3/6 Ready	ErP Lot 6 2010: ✓ ErP Lot 6 2013: ✓ ErP Lot 3 2014 & CEC: Partially
(EU) No 617/2013 Compliance	/

230V	
Average Efficiency	84.752%
Average Efficiency 5VSB	74.273%
Standby Power Consumption (W)	0.2248500
Average PF	0.971
Avg Noise Output	29.52 dB(A)
Efficiency Rating (ETA)	BRONZE
Noise Rating (LAMBDA)	A-

POWER SPECIFICATIONS							
Rail		3.3V	5V	12V	5VSB	-12V	
May Dawer	Amps	16	15	27	3	0.3	
Max. Power Watts		105		324	15	3.6	
Total Max. Power (W)		350					

HOLD-UP TIME & POWER OK SIGNAL (230V)	
Hold-Up Time (ms)	8.1
AC Loss to PWR_OK Hold Up Time (ms)	46.2
PWR_OK Inactive to DC Loss Delay (ms)	-38.1

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**PAGE 2/11** 



Anex Kolink SFX-350

CABLES AND CONNECTORS							
Captive Cables							
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors			
ATX connector 20+4 pin (300mm)	1	1	20-22AWG	No			
4+4 pin EPS12V (400mm)	1	1	18-20AWG	No			
6+2 pin PCle (400mm)	1	2	18-20AWG	No			
SATA (300mm+150mm)	1	2	20AWG	No			
4-pin Molex (300mm+150mm)	1	2	20AWG	No			

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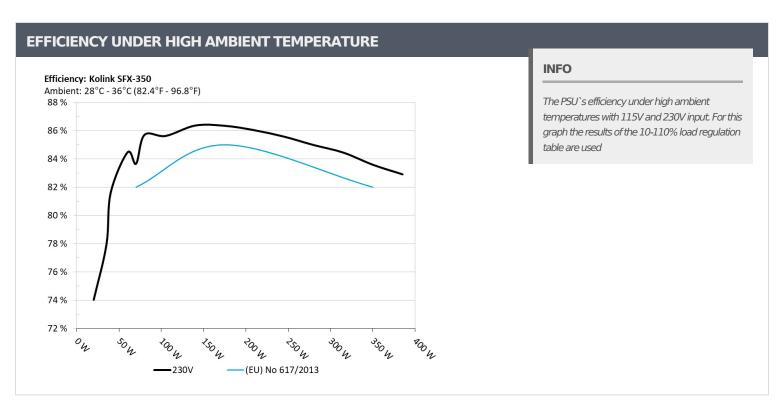
**PAGE 3/11** 

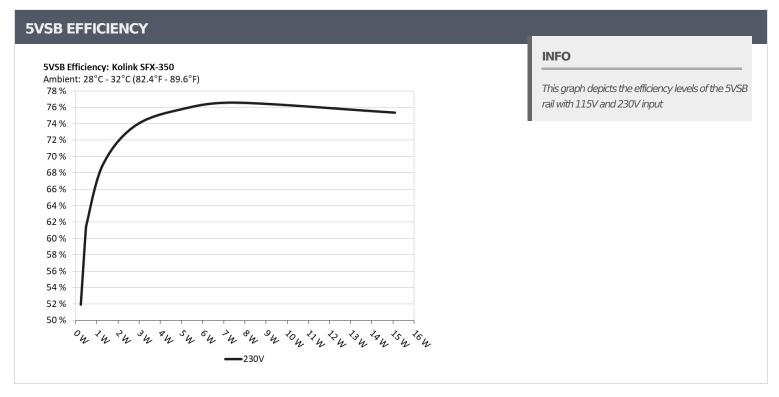
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Anex Kolink SFX-350





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**PAGE 4/11** 



Anex Kolink SFX-350

5VSB EFFI	CIENCY -230V (ERP	P LOT 3/6 & CEC)		
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.230	F1 0100/	0.027
	5.123V	0.443	51.919%	230.26V
2	0.090A	0.461	CO 0000/	0.046
2	5.119V	0.757	60.898%	230.26V
2	0.550A	2.806	72.7450/	0.195
3	5.104V	3.805	73.745%	230.26V
4	1.000A	5.091	75.0040/	0.277
4	5.092V	6.716	75.804%	230.26V
_	1.500A	7.616	76 5500/	0.328
5	5.078V	9.949	76.550%	230.26V
	2.999A	15.098	75 2260/	0.396
6	5.034V 20.041	20.041	75.336%	230.26V

**PAGE 5/11** 

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Anex Kolink SFX-350

# 230V

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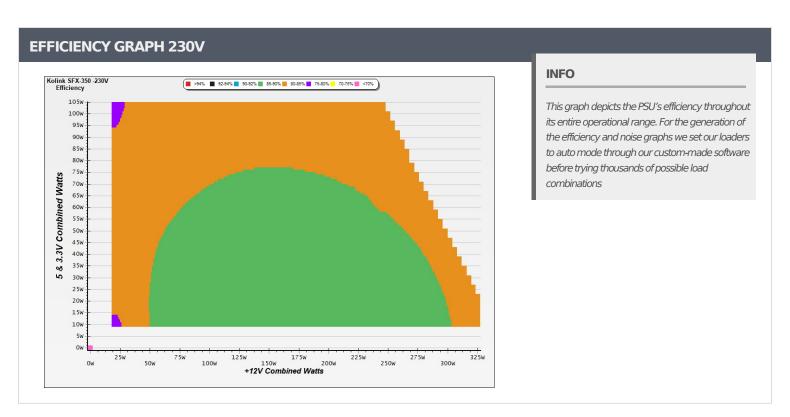
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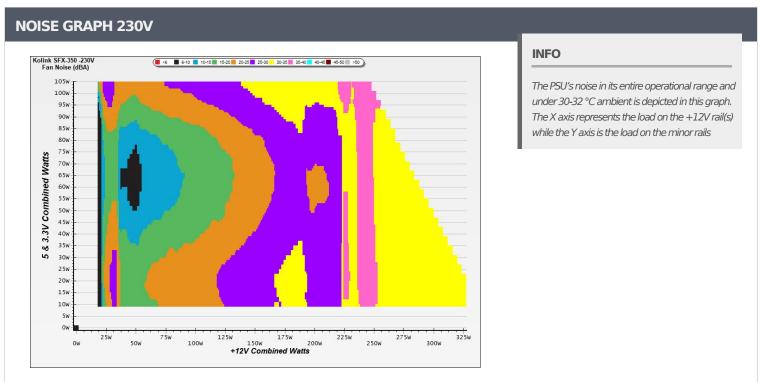
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**PAGE 6/11** 



Anex Kolink SFX-350





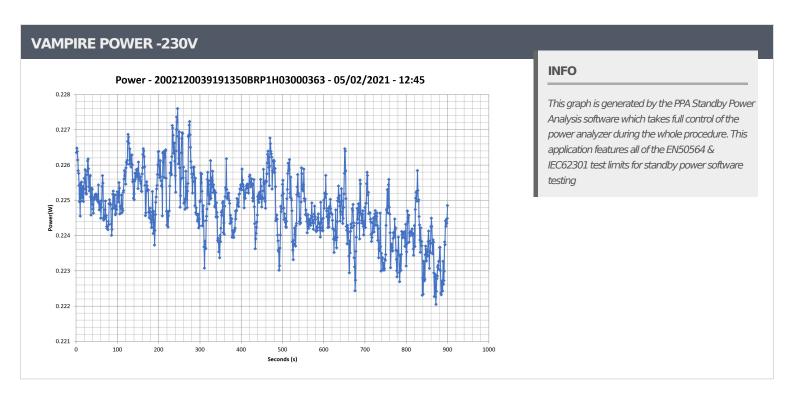
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**PAGE 7/11** 



Anex Kolink SFX-350



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**PAGE 8/11** 



Anex Kolink SFX-350

10-1	10% LOA	D TESTS	230V								
Test #	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts	
1	1.094A	1.995A	1.973A	0.983A	35.028	77.0440/ 720	0.1	30.94°C	0.827		
1	12.271V	5.014V	3.345V	5.087V	44.940	77.944%	1% 730	8.1	34.19°C	230.28\	
2	3.188A	3.000A	2.965A	1.182A	70.010	02.6700/	751	6.6	31.11°C	0.923	
2	12.268V	5.001V	3.338V	5.076V	83.674	83.670%	751	6.6	34.82°C	230.29\	
2	5.633A	3.501A	3.465A	1.382A	104.998	05.6340/	1005	0.6	31.56°C	0.956	
3	12.240V	5.000V	3.332V	5.065V	122.613	85.634%	1025	8.6	35.77°C	230.29\	
4	8.085A	4.001A	3.968A	1.583A	139.986	06.2720/	1071	16.4	32.28°C	0.968	
4	12.219V	4.997V	3.327V	5.054V	162.071	86.373%	1271	16.4	37.14°C	230.29\	
_	10.184A	5.019A	4.971A	1.785A	174.972	86.353% 1543	2520/ 1542	06.2520/ 15.42	22.2	33.31°C	0.976
5	12.222V	4.981V	3.320V	5.042V	202.625		1543	23.2	38.67°C	230.30	
_	12.282A	6.046A	5.976A	1.988A	209.956	00.0400/	1789	27.9	33.51°C	0.980	
6	12.225V	4.964V	3.313V	5.029V	244.021	86.040%			39.65°C	230.30	
7	14.385A	7.077A	6.985A	2.192A	245.021	05 5050/	1942	30.7	33.69°C	0.980	
7	12.229V	4.947V	3.307V	5.017V	286.289	85.585%			40.71°C	230.30	
8	16.487A	8.003A	7.995A	2.397A	279.455	- 94.0000/	2146	33.4	33.95°C	0.980	
8	12.228V	4.932V	3.300V	5.005V	328.775	84.999%	2140		41.92°C	230.30	
0	19.042A	8.625A	8.496A	2.400A	314.923	- 04.4E00/	2202	35.0	34.62°C	0.980	
9	12.206V	4.928V	3.295V	4.999V	372.876	84.458%	2282		43.39°C	230.31	
10	21.369A	9.139A	9.030A	3.016A	349.976	02.5020/	2520	27.0	35.14°C	0.980	
10	12.181V	4.923V	3.288V	4.973V	418.667	83.593%	2520	37.8	44.75°C	230.32	
11	24.360A	9.117A	9.042A	3.019A	384.986	02.0100/	2650	20.6	35.51°C	0.981	
11	12.122V	4.936V	3.284V	4.968V	464.297	82.918%	2658	39.6	46.23°C	230.32	
Cl 1	8.000A	12.999A	12.997A	0.000A	205.634	02 0210/	2201	2E 0	33.77°C	0.980	
CL1	12.581V	4.778V	3.299V	5.078V	248.288	82.821%	2281	35.0	39.29°C	230.32	
CLO	26.977A	0.999A	1.000A	1.000A	329.322	04 6F10/	1977	21.0	35.32°C	0.981	
CL2	11.706V	5.171V	3.312V	5.051V	389.037	84.031%		31.0	45.29°C	230.32\	

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PAGE 9/11

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20-80W LOAD TESTS 230V									
Test#	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	PF/AC Volts
	1.217A	0.493A	0.492A	0.196A	19.978	74.02.40/	706	0.0	0.713
1	12.184V	5.066V	3.355V	5.112V	26.985	74.034%	706	8.2	230.25V
2	2.434A	0.989A	0.985A	0.392A	39.968	01.6000/	710	9.0	0.841
2	12.189V	5.055V	3.350V	5.103V	48.975	81.609%	710		230.26V
2	3.654A	1.486A	1.481A	0.589A	60.000	04.4700/	717	0.5	0.902
3	12.192V	5.044V	3.345V	5.095V	71.024	84.478%	717	9.5	230.26V
4	4.869A	1.986A	1.974A	0.786A	79.951	05.71.00/	740	7.1	0.932
4	12.191V	5.036V	3.340V	5.087V	93.281	85.710%	742		230.27V

RIPPLE MEASUREMENTS 230V							
Test	12V	5V	3.3V	5VSB	Pass/Fail		
10% Load	7.70mV	11.10mV	14.10mV	10.50mV	Pass		
20% Load	8.90mV	9.70mV	15.60mV	11.40mV	Pass		
30% Load	8.90mV	8.70mV	15.40mV	12.40mV	Pass		
40% Load	10.50mV	7.70mV	15.40mV	13.00mV	Pass		
50% Load	12.70mV	8.20mV	16.70mV	13.10mV	Pass		
60% Load	14.40mV	9.90mV	17.80mV	13.60mV	Pass		
70% Load	25.20mV	28.10mV	21.40mV	19.90mV	Pass		
80% Load	19.10mV	11.30mV	21.90mV	15.00mV	Pass		
90% Load	21.50mV	11.50mV	21.00mV	14.50mV	Pass		
100% Load	38.80mV	19.60mV	23.50mV	15.60mV	Pass		
110% Load	44.20mV	22.80mV	23.50mV	15.70mV	Pass		
Crossload1	20.90mV	18.70mV	24.00mV	24.90mV	Pass		
Crossload2	33.50mV	13.10mV	10.90mV	13.60mV	Pass		

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**PAGE 10/11** 

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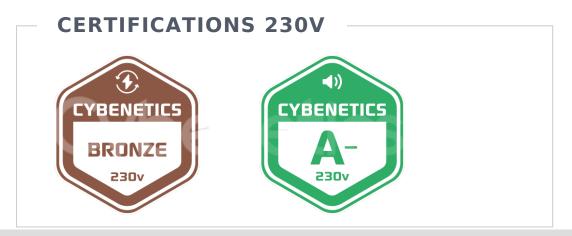
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**PAGE 11/11**