

ARV-LB12030-Slim (12V, 2.5A, 30W)



items	conditions	request	note
1.input			
1.1 rated input voltage	Ta below	AC200-240V	
1.2 input voltage scope	Ta below	AC180-264V	
1.3 input voltage frequency	Ta below	50Hz	
1.4 input current	25°C, input rated voltage, ouput max rated load	<0.3A	
1.5 input power	25°C, input rated voltage, ouput max rated load	<38.5W	
1.6 Efficiency	25°C, input rated voltage, ouput max rated load	≥81%	
1.7 power consumption without load	25°C, input rated voltage, ouput without load	<0.5W	Average
1.8 power factor	25°C, input rated voltage, ouput max rated load	≥0.90	
1.9 input surge current	25°C, input rated voltage, ouput max rated load	<70A	Peak
2.output			
2.1 time to start	25°C, input rated voltage, ouput max rated load	<2S	
2.2 constant output current and precison	Ta below, input rated voltage, ouput rated load	--	
2.3 rated ouput power/ led lights quantity	Ta below, input rated voltage	--	VF=3.6V
2.4 ouput current wave	25°C, input rated voltage, ouput max rated load	--	Ip-p
2.5 overshoot	25°C, input rated voltage, ouput for 2 lights connection	--	
2.6 rated ouput voltage and precison	Ta below, input rated voltage, ouput rated load	12V±5%	
2.7 output voltage wave	25°C, input rated voltage, ouput max rated load	<120mV	Vp-p
2.8 ouput open circuit voltage	Ta below, input rated voltage,ouput without load	<13V	
2.9 dimmable mode		--	
2.10 dimmable scope		--	
3. protection			
3.1 open protection	Ta below, input rated voltage,ouput without load	request	
3.2 overload protection	Ta below, input 0.94-1.06 times rated voltage, ouput 1.1 times rated load	request	
3.3 short protection	Ta below, input 0.94-1.06 times rated voltage, output short circuit for 1 hour	request	
3.4 over temperature protection	Temperature detected by IC itself	request	
3.5 automatic re-start	Ta below overload, short, over temperature protection retreated	request	
4. temperature and others			
4.1 working temperature		-20°C~+45°C	
4.2 comparative humidity		45% ~ 85%	
4.3 max cover temperature		80°C	<90°C

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4.4 products life span	Below max Ta, input rated voltage and ouput max rated load	30000hr	
4.5 working noise	25°C, input rated voltage, ouput rated load, background noise <30dB, voice source is 10cm far away from product	<35dB	
5. mechanical structure, mounting and connection way			
5.1 cover material and sizes	plastic cover, 160mmX58mmX18mm		
5.2 mouting ways	independent		
5.3 anti-electric shock	Second grade		
5.4 protection grade	IP20		
5.5 input connection way	1 way,terminal,to connectH03VVH2-F 2X0.75mm ² SPT-2 18AWG wire		
5.6 ouput connection way	1 way,terminal,to connectH03VVH2-F 2X0.75mm ² SPT-2 18AWG wire		
5.7 ouput wires length	2m max		
6. Standard request			
6.1 security	IEC61347-1, IEC61347-2-13 (with light IEC60598)		
6.2 harmonic	25°C, input rated voltage, MAX rated load	IEC61000-3-2	
6.3 EMC--interfere	25°C, input rated voltage, load is typical lights	IEC55015	
6.4 EMC--ANTI interfere	25°C, input rated voltage, load is lights	IEC61547	
6.5 Mark	F and MM mark		

