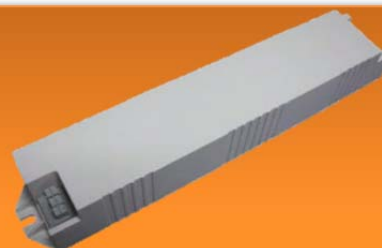


FEATURES

56W Four Channels Output With Dimming

LSWCD056Q SERIES

- High Efficiency (up to 86%)
- Four Channels Output
- Build-in Active PFC (Typical 0.99)
- Dimming Function
- Safety approval pending



SPECIFICATIONS

Model #	Voltage Range	Output Current	No Load Output Voltage $\pm 5V$	Ripple & Noise (3)	Efficiency (Typ.) at 220Vac (2)
LSWCD056Q035PS	13~40V	350mA	47V	0.3V	86%
LSWCD056Q040PS	12~35V	400mA	42V	0.3V	86%
LSWCD056Q045PS	10~31V	450mA	38V	0.2V	85%
LSWCD056Q048PS	9~29V	480mA	38V	0.2V	85%
LSWCD056Q055PS	8~25V	550mA	32V	0.2V	85%

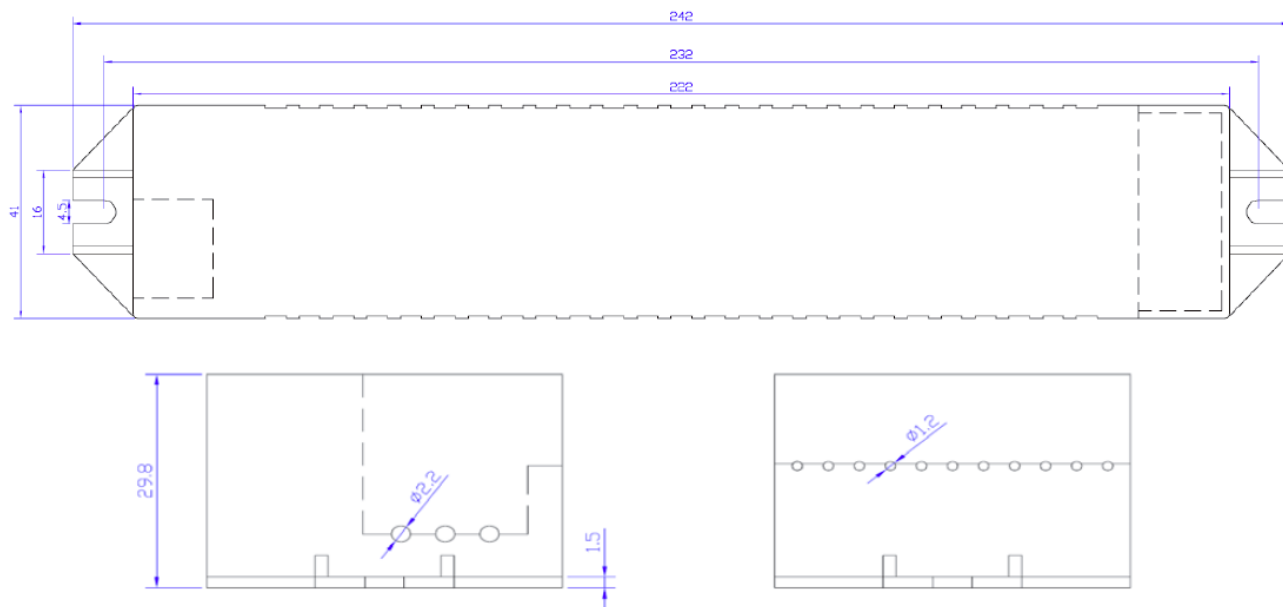
Output	Line Regulation	1%	
	Load Regulation	3%	
	Turn-on Delay Time	1.0~2.0 sec.	
	Leakage	0.5mA $V_{in}=277V$, 50Hz	
Input	Voltage Range	90~305V AC	
	Frequency Range	47Hz~63Hz	
	PF (2)	0.99@110V / 0.96@220V	
	Inrush Current	35A Cold start, $V_{in}=230V$	
	AC Current	0.62A / 110V AC 0.30A/ 220V AC	
Protections	Short Circuit Protection	Protection type: Hiccup mode, recovers automatically after fault condition is removed	
	Over Temperature (Typ.)	110°C	
	Over Voltage (Typ.)	50V $\pm 5\%$ floating deviation (Latch mode. The power supply shall return to normal operation only after the power is recycled)	
Environmental	Temperature Range	Operational	-35°C ~55°C
		Storage	-40°C~+85°C
	Humidity	Operational	10% ~100% RH
		Storage	5%~100% RH
Safety & EMC	Safety Standards	EN61347-1, EN61347-2-13	
	EMI Conduction & Radiation	EN55015	
	EMS Immunity	EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61547	
Others	MTBF	470,000 hours	
	Life Time	85,000 hours	
	Dimensions	(L*W*H) 9.53*1.61*1.17 inches 242*41*29.8 mm	
	Weight	455g	



NOTE:

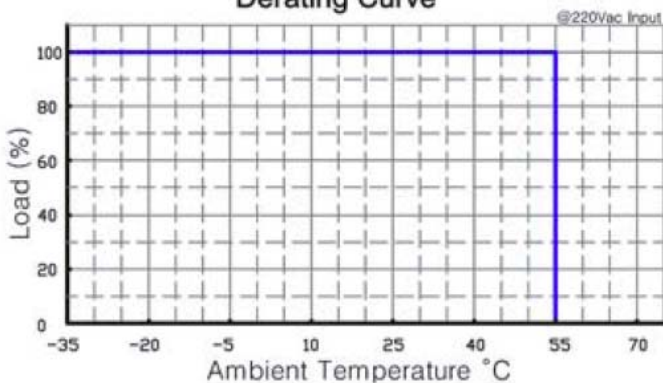
1. All specifications are typical at 25°C unless otherwise stated.
2. The "Efficiency" & "PF" values are measured at full load, after the unit is thermally stabilized, otherwise they will be lower about 1%
3. The "Ripple & Noise" values are measured by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and 10uF electrolytic capacitor.

Mechanical Specifications

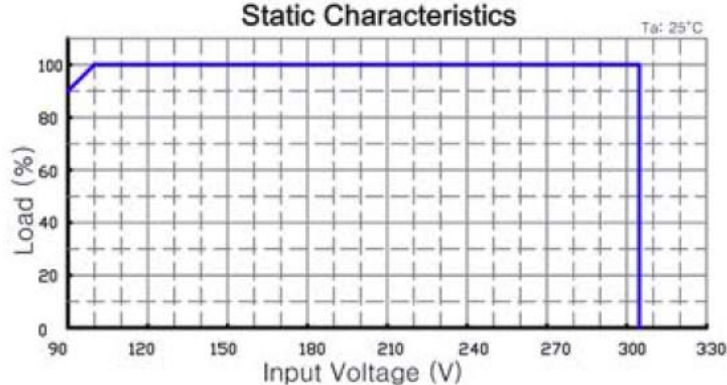


Derating Character

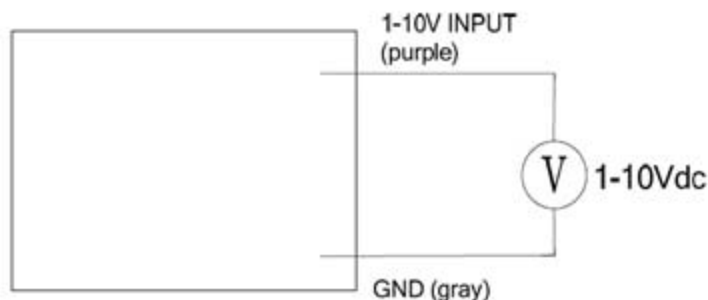
Derating Curve



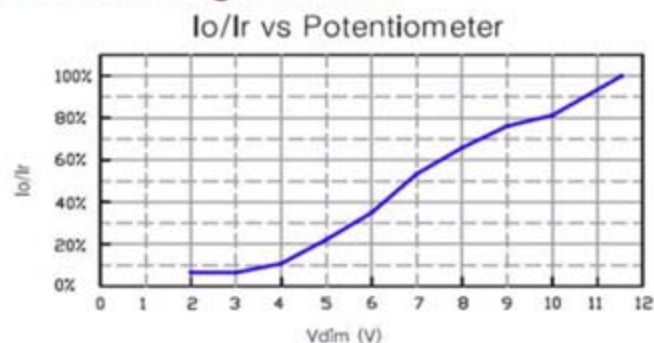
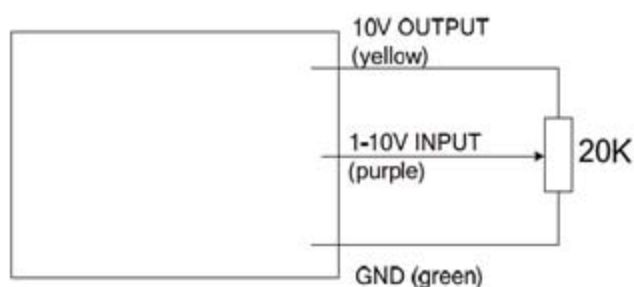
Static Characteristics



Dimming Function



Mode 1: 1-10Vdc Input on Dimming Control



Mode 2: External Resistor on Dimming Control

Note:

1. If the dimming function is not used, short 10V output pin (yellow) and 1-10V input pin (purple).
2. I_o is actual output current and I_r is rated current without dimming control.
3. In order for the driver to operate properly, the load voltage must be maintained above the minimum voltage threshold, proximally 50% of the max output voltage for any given mode.
4. The dimming connector can operate under 1V, the output current can maintain about 10% I_r when dimming signal is between 0-1 V. LED's might flicker, It is strongly recommended to keep dimming voltage above 1V.
5. Do not connect the dimming GND to the output. Otherwise, the Led driver will not work normally.



PART NUMBER SCHEME

LSWCD056Q035PS

L=LED Driver "S" Series

W=Wide Input Voltage 90~305

C= Constant Current

D=Dimming

S= Class II, 2 Wire Input

P=Plastic case

035=Output Power

Q=Quadruple output

056= Total power

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AUTEC IS NOT RESPONSIBLE FOR ISSUES ARISING FROM ERRORS OR OMMISIONS

