

Features

- Super low noise DC voltage output
- Remarkable isolation
- High input regulation / extreme input noise rejection
- High load regulation / super low output impedance
- Extruded aluminum enclosure, anodized natural silver & black
- High glossy black or silver acrylic front and backplate
- Cooling by free air convection
- Gold plated and Swiss made 5 poles female XLR receptacle for DC output allows "Star-quad" wiring and flexible DC cable selection

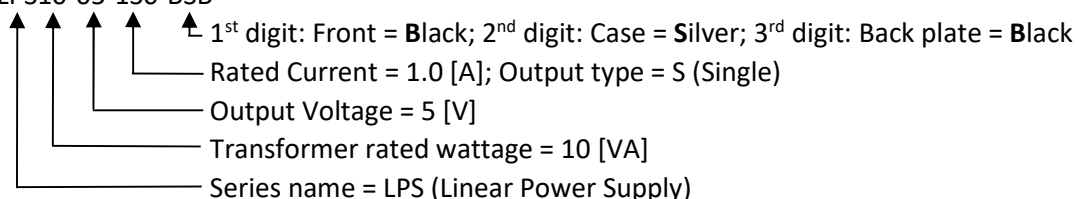
Applications (powering of)

- Low power audio components: streamer, DAC, phono, headphone amplifier, PC USB & LAN card
- Audiophile switch
- Test and measurement systems
- Anything requires very clean DC voltage source

Description

LPS10 fully linear power supply is equipped with 10VA safety isolating PCB mounted transformers guarantee high isolation between primer and seconder windings. RC snubber and Schottky diodes ensure clean rectification for the high reliability aluminum electrolytic capacitor bank. The unique push-pull transistor output stage is controlled by a low noise operational amplifier that works with minimal noise gain and from post filtered precision bandgap references. The perfect input noise rejection and very low output resistance relies on the bootstrapped voltage regulator architecture. On the bottom side of the improved FR4 printed circuits board (PCB) small surface mounted components (SMD) and on top side bigger through hole components (THD) are combined for optimal layout and minimal trace length.

Model encoding example: LPS10-05-150-BSB



SPECIFICATION							
INPUT	Voltage range	220-240 VAC					
	Frequency	50/60 Hz					
	Fuse	63 mA _T , 20 x 5 mm					
	Connector	IEC C14 inlet					
OUTPUT	Part Number	LPS10-05-1S0	LPS10-06-S75	LPS10-12-0S5			
	Nominal Voltage	5 V	6 V	12 V			
	Rated Current	1 A	750 mA	500 mA			
	Protection	No overcurrent and no overvoltage protection					
	Noise	<2 μ V typical @ bandwidth: 20 Hz to 20 kHz					
	Initial accuracy	<1% typical, 2% max					
	Temperature coefficient	<1 mV/C°					
	Line regulation	<-100 dB(V/V) @ 1 kHz					
	Load regulation	<-40 dB(V/A) @ 1 kHz					
	Connector type	Neutrik NC5FAH 5 pole XLR female, gold plated contact					
	Connector pinout	(+) : Pin1 & Pin3; (-) : Pin2 & Pin4; Not connected: Pin5; PE: Pin6					
ENVIRONMENT	Working temperature	-10 C° to +40 C°					
	Working Humidity	20 to 90% RH, non-condensing					
OTHERS	Indicator	RGB LED, color and intensity adjustable in 3 steps by internal DIP switches					
	Working principle	Isolation transformer, Schottky rectifier, bootstrapped series regulator					
	Dimension	110 x 83 x 166 mm [Width x Height x Depth] (with foots)					
	Weight	1.100 grams					



Above picture shown is for illustration only, the product contains only 10 VA transformer.