

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

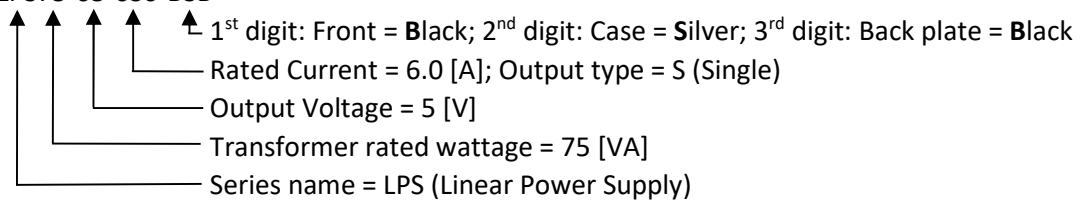
Applications (powering of)

- Audio components: streamer, DAC, phono, headphone amplifier, PC USB & LAN card
- IT equipment: mini-PC (Raspberry), router, switch, access point, NAS
- Test and measurement systems
- Anything requires very clean DC voltage source

Description

LPS75 fully linear middle power supplies are equipped with 75VA impregnated toroidal core transformers that guarantee high isolation between primer and seconder windings thanks to the shielding windings. The 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: LPS75-05-6S0-BSB



SPECIFICATION

INPUT	Voltage range	220-240 VAC						
	Frequency	50/60 Hz						
	Fuse	750 mAT, 20 x 5 mm						
	Connector	IEC C14 inlet						
OUTPUT	Part Number	LPS75-05-6S0	LPS75-06-5S0	LPS75-09-5S0	LPS75-12-4S0	LPS75-15-3S5	LPS75-19-2S5	LPS75-24-2S0
	Nominal Voltage	5 V	6 V	9 V	12 V	15 V	19 V	24 V
	Rated Current	6 A	6 A	5 A	4 A	3,5 A	2,5 A	2 A
	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	Toroidal transformer, Schottky rectifier, bootstrapped series regulator						
	Dimension	110 x 83 x 206 mm [Width x Height x Depth] (with feet)						
	Weight	2.200 grams						

