

DOT BIT DSD DAC



DSD digital to analog converter USB hi resolution input

Dot-Bit-Dac is a dac without digital to analog converter chip (dac-no-dac) DSD stream is converted from all new exclusive proprietor circuit develop from Lector strumenti audio lab's as emulating the one bit dac, passive I/V converter no-feedback control and tube classe A triode output.

Hi-speed USB DSD stream data accept up to 512 resolution (64 / 128 / 256 / 512).

Two digital inputs are available : USB-DSD and DSD Serial-Data (Data R-L / Clock) for SACD player features data-serial output connector.

Analog output circuits is based on four double triode, outputs available: real balanced and unbalanced.

Phase output analog control is switchable for customer front panel selection.

DSD
Direct Stream Digital



PERFORMANCES & CONVENIENCE

- ⇒ Direct Direct Stream Digital converter without dac chip (dac no dac)
- ⇒ Full real balanced tube triode analog output (4 x ECC-81 / 12AT-7)
- ⇒ PCM spdif output on RCA and AES-3 (XLR) USB converter
- ⇒ Direct DSD serial mode digital input from SACD player special output connector
- ⇒ Phase output control as "in phase" and "out of phase"
- ⇒ Original proprietor design DSD circuit modulator DLS-1
- ⇒ "R" rounded series: hi performance structural controlled resonances cabinet



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DSD - active modulator filter

Type DLS-1.0

FEATURES

- DSD USB v-1, v-2 , v-3 input direct
- Data stream inputs electrical isolated
- Active modulator direct dsd
- Analog current/voltage output
- Analog stereo mode balance output

**GENERAL DESCRIPTION**

The DLS-1 is a high speed hybrid module CMOS devices for DSD direct native input.

It's specified in compliance with DSD standard.

The module accept the DSD dataR / dataL and Clock without digital analog convertor.

Output analog available as both current and voltage mode, as single unbalanced and full balanced filter for direct interface with analog stage.

DSD input resolution as 64/2.8224 Mhz and 128/5.6448 Mhz

APPLICATION

- DSD pure modulator and filtering convertor unit
- Update PCM dac convertor with R2R dac with USB-DSD input too
- SACD Player
- Professional audio device

ELECTRICAL SPECIFICATION

All specifications at Ta= 25°, Vcc1 = 5V, Vcc2 = 3.3V, Vcc3 = 12 V, Vcc4 = -12 V

Parameter	Test condition	DLS-1	Unit
Data format		DSD @ 64/128	
Audio data format		Data R / Data L / Clock	
Audio data bit lenght		1 bit	
Sampling frequency		2.8224 MHz / 5.6448 MHz	
Sampling clock frequency		2.8224 / 11.2896	MHz
Voltage		5 V / 3.3 V / +12 V / - 12 V	Vdc
Input/output		40 pins	Nr.

Full data and applications are available only under NDA agreement

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