

1T-AP-299

Dolby® Digital to Analog Audio Converter



Key Features

- Dolby® Digital Decoder
- Digital Interpolator Filter
- Sampling Frequencies 32 to 96KHz
- Analog, Optical & Coaxial I/O

1T-AP-299 Dolby® Digital to Analog Audio Converter

Overview

1T-AP-299 Dolby® Digital to Analog Audio Converter is a versatile tool that provides conversion capabilities between Optical, Coaxial and L/R Analog audio signals. The 1T-AP-299 has the ability to convert digital signals into analog and analog signals into digital format and also allows simultaneous conversion of audio formats. For example, when converting Optical digital signals into analog L/R audio you can also create a Coaxial format output from the same input audio source. The technology employed includes the exclusive Dolby® Digital Decoder, a Digital Interpolator Filter, and a Digital to Analog Converter using sampling frequencies from 32 to 96KHz. An AC adaptor is provided.

Specifications

Signal Input

Optical Audio	1x Optical Connector
Coaxial Audio	1x Coaxial Audio Connector
L/R Analog Audio	2x RCA (L/R) Connectors

Signal Outputs

Optical Audio	1x Optical Connector
Coaxial Audio	1x Coaxial Audio Connector
L/R Analog Audio	2x RCA (L/R) Connectors

Performance

Digital Sample Rate	32kHz to 96kHz
Coaxial, Optical Formats	LPCM 2.0, Dolby® Digital
L/R Audio Format	Stereo Analog Audio
Analog Impedance	47KΩ Input, 600Ω Output
Audio Bandwidth	20 Hz to 20 KHz
Digital Output Level	0dBFS
Analog Output Level	1.8Vrms +/-0.1V

SNR/X-Talk Digital Input

Digital Output SNR	> 144dB w/Digital Input
Analog Output SNR	> 109dB w/Digital Input
Digital Output Crosstalk	< -161dB w/Digital Input
Analog Output Crosstalk	< -100dB w/Digital Input

SNR/X-Talk Analog Input

Digital Output SNR	> 96dB w/Analog Input
Analog Output SNR	> 95dB w/Analog Input
Digital Output Crosstalk	< -113dB w/Analog Input
Analog Output Crosstalk	< -100dB w/Analog Input

Mechanical

Size (H-W-D)	35x97x85mm (1.3"x3.8"x3.4")
Weight (Net)	120g (4.23 oz.)

Warranty

Limited Warranty	3 Years Parts and Labor
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Environmental

Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-20° to +60° C (+4° to +140° F)
Storage Humidity	20% to 90%, Non-condensing

Power Requirement

External Power Supply	5VDC@1A
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Regulatory Approvals

Audio Extractor	FCC, CE, RoHS
Power Adapter	UL, CUL, CE, PSE, GS, RoHS

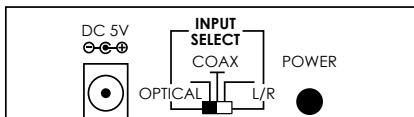
Accessories Included

1x Power Adapter	US, UK or Euro
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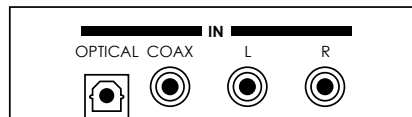
Product Item Number

1T-AP-299	Dolby® D-A Audio Converter
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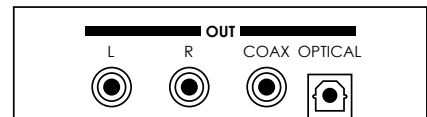
Panel Drawings



Input Select



Input



Output