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Hypex UcD700 Class D module.

UcD700™

[Download datasheet \(158 kB\)](#) • [Download manual \(403 kB\)](#)

What do you look for in a power amplifier? Bet it's the sound. Hypex U designed from the ground up for true fidelity. Available in 180W, 400 W represent a new generation of switching power converters truly performing a

Features

- Flat, fully load-independent frequency response
- Low output impedance
- Very low, frequency-independent THD
- Very low noise
- Consistent top performer in listening trials including class A and SET amplifiers
- Runs on unregulated +/- rails
- Pop-free start and stop control
- Differential audio input
- Overcurrent, shortcurrent and overvoltage
- DC/AC-coupling selectable
- Fits in a 2HE case when mounted on its side
- 4-layer PCB design

Applications

- Monitor loudspeaker and mastering studio
- Audiophile power amp professional and con
- Public Address system
- Home theatre system
- Active loudspeakers

Technology

The UcD™ circuit is based on phase-shift controlled self-oscillation, with on control loop taking off at the loudspeaker terminals. The control function passive components, with only the comparator standing in for gain.

Item	Symbol	Spec
Output Power	P_R	700W
Distortion	THD	<0.04% typ
		<0.007% typ
Noise	U_n	30uV typ
Frequency Response		<10Hz-50kHz
Output Impedance	Z_o	TBD
		TBD
Efficiency	η	>92%
Supply Ripple Rejection	PSRR	65dB

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