

COMTECH DRIVECORE



SMALL SIZE. BIG PERFORMANCE.

With a name synonymous with powerful, reliable performance, the ComTech DriveCore™ family of amplifiers firmly establishes new standards in innovation. Performance is exemplary in every respect with Signal-to-Noise of better than 110dB and Total Harmonic Distortion below 0.05% across the full audio bandwidth, delivering studio-grade sound in one rack-space with up to 8 channels of 125W. ComTech DriveCore™ is ideal for installations that require premium sound quality, multi-channel configurations, compact dimensions, and quite often zero ambient fan noise. Typical applications include boardrooms, video and teleconferencing, VIP suites in stadiums and arenas, and upscale restaurants and retail outlets to name just a few. Representing next generation technology available today, the ComTech DriveCore™ proves without a doubt that big things really do come in small packages.

DRIVECORE TECHNOLOGY

Powering this remarkable amplifier is the pioneering technology of DriveCore™, which seamlessly integrates the amplifier drive stage into the power output stage fusing everything into a chip the size of a dime. The foundational DriveCore™ circuitry is based on breakthroughs by Crown's own Gerald Stanley with five patents applying to the advanced feedback, modulation and output stage technologies. DriveCore's front-end drive circuits leverage the inherent efficiency of Class D output stages while also maintaining superb sonic characteristics. The end result is an ultra-efficient one-piece audio amplifier circuit that exhibits the exemplary audio quality of a highly evolved Class AB design.

ENERGY EFFICIENCY

Energy efficiency is an integral part of ComTech DriveCore™. This series debuts a new four-stage universal power supply that adapts to operating demands to assure peak efficiency. Normal, Green, Sleep, and Deep Sleep modes combine to provide everything from full voltage to the supply rails for instant response to limiting power consumption, to less than 1W when not in use. And, because it's over 90% efficient in the DriveCore™ stage, no fan is required, allowing for ultra-quiet operation.



IT'S TIME TO GO SMALL

An ideal complement for the intimate spaces within a larger project, such as the high-end suites in a stadium, the ComTech DriveCore™ is a technological marvel. Small in size, big in performance, and competitively priced, it effortlessly demonstrates Crown's unmistakable command of installed sound applications.



SPECIFICATIONS

| | CT475 | CT4150 | CT875 | CT8150 |
|--|--|--|--|--|
| CHANNELS | 4 | 4 | 8 | 8 |
| SENSITIVITY | 1.4V | 1.4V | 1.4V | 1.4V |
| RATED POWER OUTPUT | 75W per CH @ 4 ohms 75W per CH @ 8 ohms | 125W per CH @ 4 ohms 125W per CH @ 8 ohms | 75W per CH @ 4 ohms 75W per CH @ 8 ohms | 125W per CH @ 4 ohms 125W per CH @ 8 ohms |
| SIGNAL TO NOISE RATIO (below rated power 20Hz to 20kHz, A-Weighted) | 110dB | 110dB | 110dB | 110dB |
| TOTAL HARMONIC DISTORTION (THD) (full rated power, 20Hz - 20kHz) | < 0.05% | < 0.05% | < 0.05% | < 0.05% |
| INTERMODULATION DISTORTION (from 0dB down to -30dB) | < 0.05% | < 0.05% | < 0.05% | < 0.05% |
| FREQUENCY RESPONSE (at 1W into 4/8 ohms) | ± 0.5dB | ± 0.5dB | ± 0.5dB | ± 0.5dB |
| CROSSTALK (below rated power 20Hz to 1kHz) | > 70dB | > 70dB | > 70dB | > 70dB |
| COMMON MODE REJECTION (20Hz to 1kHz) | > 55dB, typically > 70dB | > 55dB, typically > 70dB | > 55dB, typically > 70dB | > 55dB, typically > 70dB |

GENERAL

| | CT475 | CT4150 | CT875 | CT8150 |
|--------------------------|----------------------|----------------------|----------------------|----------------------|
| DIMENSION (H x W x D) | 1.75" x 19" x 15.19" | 1.75" x 19" x 15.19" | 1.75" x 19" x 15.19" | 1.75" x 19" x 15.19" |
| NET WEIGHT | 10 lbs/4.54 kg | 10 lbs/4.54 kg | 10 lbs/4.54 kg | 10 lbs/4.54 kg |
| NET SHIPPING WEIGHT | 15 lbs/6.8 kg | 15 lbs/6.8 kg | 15 lbs/6.8 kg | 15 lbs/6.8 kg |

THE NEXT BIG
THING IS SMALL



Visit crownaudio.com/drivecore for more information