

APPLICATIONS

- > 1 channel piezo drive
- > Dynamic operation of high capacitance piezo actuator
- > Fast actuation
- > Forced vibration generation

KEY FEATURES

- > 20 A continuous output current
- > Energy recovery
- > High power density
- > [-20 V;150 V] output voltage range
- > High efficiency
- > Active power factor correction
- > Galvanic isolation
- > Temperature protection for actuators

RELATED PRODUCT

- > Piezo actuators and stages
- > CTEC Powered 19" subrack
- > UC45 / UC55 Controllers
- > SG75 / ECS75 sensors conditioners
- > Temperature sensor PT1000



SPECIFICATIONS

| PARAMETER | TYPICAL VALUE | UNIT |
|---|---------------|------|
| > General | | |
| Number of channels | 1 | |
| > Input | | |
| Control input voltage | -1 ... +7.5 | V |
| Control input impedance | 10 | kΩ |
| > Output | | |
| Output voltage ⁽¹⁾ | -20 ... +150 | V |
| Continuous peak output current ⁽²⁾ | ±20 | A |
| Maximum output load | 400 | μF |
| Output impedance | 100 | μH |
| > Power amplifier | | |
| Typical efficiency | 94 | % |
| Switching frequency | 200 | kHz |
| Peak output power ⁽³⁾ | 3000 | VA |
| Gain | | |
| Gain | 20 | V/V |
| Gain error | ±1 | % |
| Gain linearity error | 0.1 | % |

DRAWINGS

