HIGH TEMPERATURE TRIPLE DC-DC CONVERTER

The FC9003HT is a triple output DC-DC Converter from C-MAC MicroTechnology based on CISSOID's VESUVIO™ SOI (Silicon On Insulator) technology. This leading edge product is designed for continuous operation up to 225°C/437°F and limited duration at 250°C/482°F. The implemented architecture is a voltage-mode 'Buck converter' that uses duty-ratio modulation at a constant frequency. Adaptive gate drive techniques ensure that maximum efficiency is achieved.

Features:

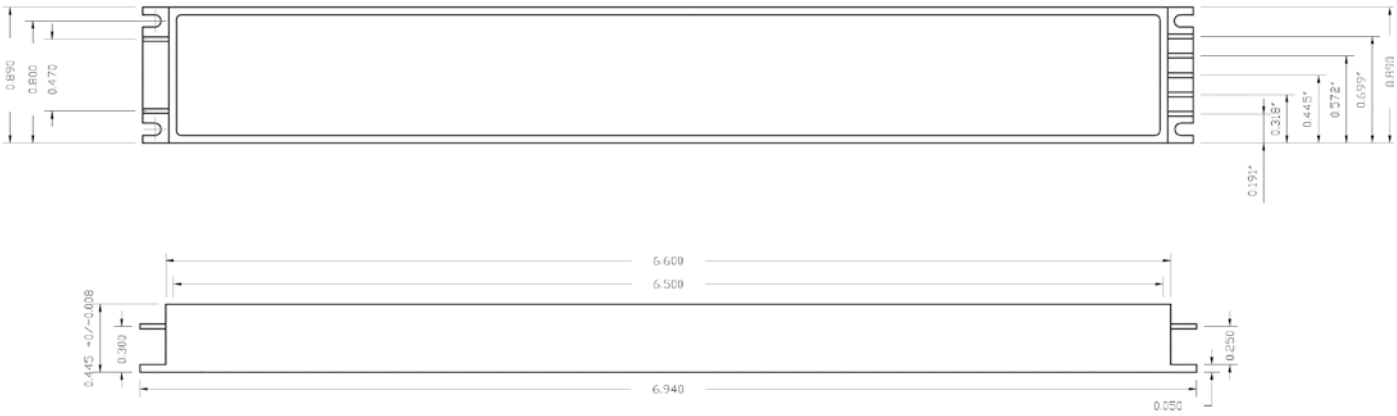
- Operating junction temperature: -55°C to +225°C
- Efficiencies in excess of 80% above 200°C
- V_{IN} from 6 to 30V
- V_{OUT} 5V, 3.3V and 1.8V
- Custom outputs available
- Synchronous mode available
- Soft-start feature
- Line regulation better than 1.5mV/V
- I_{OUT} up to 2A

Ordering Information:

FC9003HT-XY

- X = Package style
- Y = Lead finish: A = SnPb solder, C = Gold

Outline Drawing



FC9003HT

Package Style A

All dimensions in millimetres

Contact:
Mike Woolsey
Business Developent Manager
MichaelWoolsey@cmac.com

PROVISIONAL PRODUCT BRIEF SUBJECT TO CHANGE

www.cmac.com

Developed in partnership with Cissoid