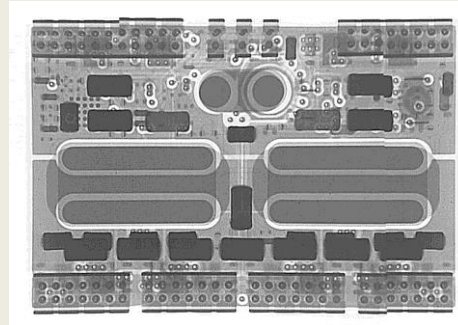


VICOR VTM48EF120T025A00 CURRENT MULTIPLIER CIRCUIT ANALYSIS

June, 2017. LTEC Corporation released a schematic and structure analysis report of Vicor's VTM Current Multiplier using a proprietary ZVS-ZCS Sine Amplitude conversion architecture. This module incorporates the controller, associated passive components, and the isolation transformer. The transformer windings are formed by Cu layout patterns (14 layers) and via. This VTM, configured with a Voltage Transformation Module (VTM), forms a high-performance DC-DC converter system named Factorized Power Architecture (FPA). The FPA has low conversion and distribution losses, reduces solution size at the point of load, and achieves high power density.



Module top view



X-ray image

Device features:

- Input voltage: 26V-52V, Output voltage: 12V, Output current: 25A
- Module size : 32.5mm x 22.0mm
- DC Isolation barrier: 2,250V

The 26-page report includes package images including size measurements, X-ray images, images of each substrate layers, component-level circuit schematic, function block diagram, BOM and control IC die image.

Note:

The listed report price may not be accurate as it decreases over time.

Please contact us for current report pricing info@ltecusa.com

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