

modules (VRM) pressing for high efficiency and high power density for installations in the vicinity of CPUs [5], [6], [7].

Rethink Power Density with GaN | Electronic Design

DUAL PRIMARY DUAL SECONDARY TRANSFORMERS. Power Rating: 0.5 ~ 25 VA. We offer a space saving transformer line, for less board space, as well as a height saving transformer line, for low clearance. The Dual Primary, Dual Secondary transformers come with 2 x 115 V, 50-60 Hz primary windings that can be wired in series or in parallel.

A 95%-Efficient 48 V-to-1 V/10 A VRM Hybrid Converter

This paper describes the design process of a 10 kW 19000 rpm high power density surface mounted permanent magnet synchronous machine for a directly coupled pump application.

Analysis and Design of a Dual-Rotor Axial-Flux Vernier ...

development is the new high voltage package concept named “next High Power Density Dual (n HPD 2)”. The package offers not only a drastic reduction in the internal inductance by 75% from conventional modules, but also an increase in the power density compared with the latest F-version series modules. Hitachi formerly presented the latest ...

DRA Series Magnetics Solutions High Power Density, For ...

Motor performance: 7 horsepower @ 8400 rpm 1.4 pounds 95% efficient at 7 hp, 8400 rpm 5 hp/lb 6” diameter. This performance is unrivaled. No other motor has 5 hp/lb at 8400 rpm while maintaining 95% efficiency. Cross section of motor with ducted fan blades:

DRAQ127 Inductor data sheet

Jiang et al: design and optimization of dual-winding fault-tolerant permanent magnet motor 47 external arc of rotor magnetic steel respectively. h is the centrifugal height which is defined as the distance between the

Electric Drive System of Dual-Winding Fault-Tolerant ...

The analysis of the designed dual stator PMBLDC motor has been done. In dual stator machine, the total output torque corresponds to the algebraic sum of two independent torques. Keywords: Dual stator motor, Permanent magnet BLDC (PMBLDC) motor, inner stator and outer stator.

A Dual Halbach Array, High Power Density Electric Motor ...

In [4], the electromagnetic performance of a two-phase machine with 8 slots and 10 poles and a three-phase machine with 12 slots and 10 poles are compared at 6000 rpm, which shows that the two-phase machine has higher torque density with higher torque ripple than the three-phase machine.

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