

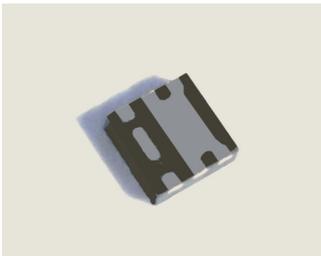
40-V N-Channel MOSFET in 1.6 x 1.6 mm Surface Mount Package



Taipei, Taiwan, March 20, 2016, Analog Power today released a first-of-its-kind MOSFET in a revolutionary surface mount package that will facilitate new home automation, consumer and industrial products. The AMB440N is a 40-V N-channel MOSFET with an on-resistance of 35 milliohms in a DFN 1.6 mm x 1.6 mm 6-lead package. It is the first 40V MOSFET available from any major vendor in this package.

The AMB440N is targeted at 24-V motor drives as used in electric blinds, other home automation products and consumer products. By providing a low on-resistance and high current capability in such a small package, the control electronics can be built into the motor itself and the resulting motor with integrated control module is hardly any larger than a standalone motor. The AMB440N benefits drone manufacturers, where the small size means that the six MOSFETs required to control the lift motors can be put on a minute PC Board and the total weight is reduced significantly compared with other solutions. The package is smaller than an SC-70, yet has thermal performance close to a DFN3x3. It can reduce the board footprint to that of flip-chip devices but provides the mechanical ruggedness of a DFN package.

“The AMB440N has a record-breaking miniature footprint for a 40-V MOSFET” said Howard Chen, Analog Power’s head of marketing, “It allows our customers not just to reduce size and weight, it facilitates product designs that were not possible before its introduction. Motor drive electronics can now be shrunk so it fits in the available space in the housings. No other major manufacturer provides a 40-V rated MOSFET such as this to address 24V rail applications.”



Samples and production quantities of the 1.6mm x 1.6 mm AMB440N are available now, with lead times of 12 weeks for large orders. For more information see www.analogpowerinc.com

Founded in 2002 in San Jose, CA, USA, Analog Power is a leading manufacturer of Power MOSFETs. It produces not only a complete line of N- and P-channel MOSFETs from 20V to 800V, but also application specific MOSFETs that facilitate smaller and higher performance end products. Using tier-1 wafer foundries and assembly and test outsourcing, Analog Power provides tier-1 quality and reliability levels, yet remains dynamic and customer-driven.

Contact Information

Philip Dunning
Analog Power
460N Yosemite Ave, Suite 11
Oakdale CA 95361 USA
Philip.dunning@analogpowerinc.com