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High power, lower profile, AEC Q200 ...

NIKKOHM INTRODUCES 300W HIGH POWER FILM RESISTOR FOR AUTOMOTIVE APPLICATIONS

Misawa, Japan (1 March 2017) — To provide design engineers with lower profile highly reliable high power resistors that operate with lowest temperature rise in the market Nikkohm has introduced RPL320F series for automotive applications.

“Compared to our SOT227 power resistors these offer 50% reduction in height at 5.5 mm and 30% reduction in weight” said Shigeru Hidaka, CTO of Nikkohm. “The heat rise is only 0.23 °C/W making these resistors most suitable for inverter applications. The wide resistance values of 100 mΩ to 1MΩ make Nikkohm’s RPL320F ideal for applications in bleeder resistor of motor speed control inverter, output filter of the motor inverter, bleeder resistor of the UPS, inrush current protection of DC-DC converter, dumping resistor of the crossover LC filter of the loudspeaker system in professional audio, snubber resistor of the inverter, filter resistor of the on board battery –

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charger, filter air conditioner pump, charging discharging resistor of vehicle installed super capacitor applications to name a few”

With wide operating temperature range of -55 °C to +175 °C and AEC Q200 conformity the reliability and the performances of RPL320F are suitable for on-vehicle electronics. Use of two mounting screws and a copper flange improve vibration resistance and heat transfer performance enhancing reliability and reducing failure rate of the resistors. The RPL320F resistors have a pair of #185 quick male spade terminals to facilitate easy connection. For datasheets or more information on Nikkohm’s RPL320F please access the Web site at <http://www.nikkohm.com>. For additional information, please contact the Nikkohm Sales & Marketing Department at +81 176 53 2105; via mail at 3-31-2640 Minamicho, Misawa, Aomori 033-0036 JAPAN; or e-mail at info@nikkohm.co.jp. Typical pricing for these resistors will vary with resistor values and lead time is from 6-8 weeks.

Nikkohm Co., Ltd , is located in Misawa, Aomori Japan where it manufactures power resistors, wire wound resistors, current sense resistors, precision resistors, microwave resistive components, thermal converters by using thin film, thick film and metal resistor technology for automotive, industrial, aerospace, medical and consumer applications and is committed to energy efficiency. energy savings and clean electromagnetic environment in rapidly growing power electronics technology.

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