

RMP-50U (50W)



RNP-50E (50W)

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Higher power rating, SMD, high reliability...

NIKKOHM INTRODUCES 50W D2PAK/TO220 POWER RESISTOR FOR AUTOMOTIVE APPLICATIONS

Misawa, Japan (1 March 2017) — To provide design engineers with highly reliable, power resistors that operate with lowest temperature rise in the market Nikkohm has introduced RNP-50E and RNP-50U series for automotive applications. These unique resistors use Nikkohm's proprietary thick film technology and thin film process on alumina substrate and offer lightweight, small footprint high power reliable resistors.

“These are the high reliability resistors suitable for power electronics such as automotive, trains, motor inverters and in intelligent power modules,” said Shigeru Hidaka, CTO of Nikkohm. “The thermal resistance indicating the heat dissipation is only 2.3 °C/W which is exceptionally suitable for the printed circuit boards.”

NIKKOHM INTRODUCES 50W D2PAK/TO220 POWER RESISTOR, PG. 2

RNP-50E is rated at 50W in a small footprint of 10.2mm x 10.3mm x 4.5mm and can operate in temperature range of -55 ° C to +175 ° C. The dimensions are very. RNP-50E provides small capacitance of 1.69pF and the equivalent series inductance 9.65nH resulting in pure resistive performance in high frequency operation at 100MHz and more. The resistance value offers wide range of 0.02 Ω to 510kΩ. The heat transfer characteristic of 2.3 °C/W is achieved by high thermal-conductivity ceramics, the superior copper flange of the thermal conductivity of thickness 1.5mm and innovative cooling performance of a unique joining technology. For datasheets or more information on Nikkohm's RNP-50E 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.

To request the electronic image, call +81 176 53 2105, or e-mail: info@nikkohm.co.jp Keywords: Nikkohm, resistor, power, automotive. URL: <http://www.nikkohm.com>