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NIKKOHM INTRODUCES 100W TO247 POWER RESISTOR FOR AUTOMOTIVE APPLICATIONS

Misawa, Japan (1 August 2017) ---- To provide design engineers with higher performance, low ohms power resistors that operate up to 140A current with heavy terminals, lowest temperature rise and wider frequency range in the field Nikkohm has introduced RNP-100U series for inverter especially for automotive & motor control applications.

Shigeru Hidaka, CTO of Nikkohm emphasized "100W TO247 style power film resistor has large copper terminal with cross sectional area of 2.9 mm² so that a large current can be handled in the low resistance region. A cross section area five times larger than our conventional TO247 resistor (compared to RNP-100S) was realized." He continued "Therefore, the resistance value range is expanded from 0.01 Ω to 1M Ω , and the maximum continuous current is 100 A. The rated power is 100 W, the category temperature is -55 ° C, + 25 ° C, + 175 ° C. The thermal resistance between the resistor and the metal flange on the back side is 1.3 ° C / W, and it has a large cooling capacity. Applications include the pre-charge resistor, the bleeder resistor, the harmonic filter resistor of the inverter, and also the filter damping resistor of the loudspeaker system, the termination of the high frequency power supply device, and the absorption resistor."

Family of 140W TO247 power film resistor, RNP-140U are already in volume production and available for shipment.