

September 16, 2010

**Product Specifications of the RJK0222DNS and RJK0223DNS Devices**

Ta = 25°C

| Product           | Package                              | Item  | Max. Ratings |        |          | On-Resistance, RDS (on) (mΩ) |      |                  |       |
|-------------------|--------------------------------------|---|--------------|--------|----------|------------------------------|------|------------------|-------|
|                   |                                      |   | VDSS (V)     | ID (A) | VGSS (V) | VGS = 4.5 V                  |      | VGS = 10 V (8 V) |       |
|                   |                                      |   |              |        |          | Typ.                         | Max. | Typ.             | Max.  |
| <b>RJK0222DNS</b> | HWSO3046-8<br>(Renesas package code) | Control MOS1<br>(high-side)   | 25           | 14     | +20      | 10.5                         | 13.7 | 7.6              | 9.2   |
|                   |                                      | Synchronous rectifier MOS2<br>(low-side)<br>[MOSFET with integrated SBD*] | 25           | 16     | +12      | 6.6                          | 8.6  | (5.5)            | (6.6) |
| <b>RJK0223DNS</b> | HWSO3046-8<br>(Renesas package code) | Control MOS1<br>(high-side)   | 25           | 14     | +20      | 10.5                         | 13.7 | 7.6              | 9.2   |
|                   |                                      | Synchronous rectifier MOS2<br>(low-side)<br>[MOSFET with integrated SBD*] | 25           | 16     | +20      | 7.9                          | 10.3 | 5.5              | 6.6   |

\*SBD: Schottky barrier diode