

August 19, 2014

Product Specifications of the Simple Power Supply ICs

Product Specifications of the RAA23012X Series and RAA23013X Series

| Item | RAA23012X Series | | | RAA23013X Series | | |
|------------------------|--|---------------|------------------------------|--|---------------|------------------------------|
| Product name | RAA 230121 | RAA 230122 | RAA 230123 | RAA 230131 | RAA 230132 | RAA 230133 |
| Configuration | <ul style="list-style-type: none"> ▪ Synchronous Step-Down DC/DC Converter x1 ▪ On-chip output power MOSFETs, phase compensation components, discharge circuit, short circuit protection, thermal protection, and low-voltage malfunction protection functions ▪ Battery backup circuit | | | <ul style="list-style-type: none"> ▪ Synchronous Step-Down DC/DC Converter x1 ▪ On-chip output power MOSFETs, phase compensation components, discharge circuit, short circuit protection, thermal protection, and low-voltage malfunction protection functions | | |
| Input voltage | 4.5 V to 16 V | | | | | |
| Output voltage | 3.3 V | 5.0 V | Variable (0.8 V to 6.0 V) | 3.3 V | 5.0 V | Variable (0.8 V to 6.0 V) |
| Maximum output current | 3 A | | | | | |
| Operating frequency | 1.1 MHz | | | | | |
| Package | 16-pin HTSSOP | | | 8-pin HLSOP | | |
| Application | industrial, OA, consumer, network equipment, smart grid, etc. | | | | | |

Product Specifications of the RAA23022X Series and RAA23023X Series

| Item | RAA23022X Series | | | RAA23023X Series | | | | |
|------------------------|--|---------------------------------|---------------|--|---------------|---------------------------------|-------|---------------------------------|
| Product name | RAA 230221 | RAA 230222 | RAA 230223 | RAA 230231 | RAA 230232 | RAA 230233 | | |
| Configuration | <ul style="list-style-type: none"> ▪ Synchronous Step-Down DC/DC Converter x2 ▪ On-chip output power MOSFETs, phase compensation components, discharge circuit, short circuit protection, thermal protection, and low-voltage malfunction protection functions ▪ Battery backup circuit | | | <ul style="list-style-type: none"> ▪ Synchronous Step-Down DC/DC Converter x2 ▪ On-chip output power MOSFETs, phase compensation components, discharge circuit, short circuit protection, thermal protection, and low-voltage malfunction protection functions | | | | |
| Input voltage | 4.5 V to 16 V | | | | | | | |
| Output voltage | Ch1 | 3.3 V | 3.3 V | Variable (0.8 V to 6.0 V) | Ch1 | 3.3 V | 3.3 V | Variable (0.8 V to 6.0 V) |
| | Ch2 | Variable (0.8 V to 6.0 V) | 5.0 V | | Ch2 | Variable (0.8 V to 6.0 V) | 5.0 V | |
| Maximum output current | 3 A | | | | | | | |
| Operating frequency | 1.1 MHz | | | | | | | |
| Package | 20-pin HTSSOP | | | | | | | |
| Application | industrial, OA, consumer, network equipment, smart grid, etc. | | | | | | | |

(Remarks)

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