

Advanced Sensor Integrations

Step-Down DC/DC Converter Product Series

| Product | Ver. | Control | MODE | Input Voltage Range | Output Voltage | Voltage Accuracy ^{*1} | Frequency | Output Current ^{*2} | Thermal Shutdown | Auto- | Package | |
|---------|--------|------------------------------------|------|---------------------------|--------------------------------------|--------------------------------|-----------------------------|------------------------------|------------------|-----------|-----------------------------|-------|
| Name | | | pin | | Range | | | | | Discharge | | |
| AS3500x | xx1A | PWM/VFM Auto Switching | — | 2.55V to 5.5V | 1.1V to 3.3V | ±1.5% | 1.2MHz | 600mA | — | — | WLCSP-6-P2 | |
| | xx2A | PWM | | | | | | | | DFN1616-6 | | |
| | xx3A | PWM/VFM Auto Switching | | | | | | | | Yes | DFN(PLP)1820-6 | |
| | xx4A | PWM | | | | | | | | SOT-23-6W | | |
| AS3503x | xx1A | PWM/VFM Auto Switching | — | 2.5V to 5.5V | 0.8V to 2.5V | ±1.5% | 2MHz | 600mA | — | — | DFN1616-6 | |
| | xx2A | | | | | | | | | Yes | SOT-23-5 | |
| AS3504x | xx1A | Forced PWM, PWM/VFM Auto Switching | Yes | 2.3V to 5.5V(VOUT ≥ 1.0V) | 0.8V to 3.3V | ±1.5% | 2.25MHz | 600mA | — | — | DFN(PLP)1216-6F | |
| | xx1B | PWM/VFM Auto Switching | — | | | | | | | | SOT-23-5 | |
| | xx1C | Forced PWM | Yes | | | | | | | | DFN(PLP)1216-6F, DFN1616-6B | |
| | xx1D | Forced PWM, PWM/VFM Auto Switching | | | | | | | | | | |
| AS3502x | xx1B | PWM/VFM Auto Switching PWM | — | 2.5V to 5.5V | 0.8V to 3.3V | ±1.5% | 3.3MHz | 600mA | — | — | WLCSP-6-P2 DFN1616-6 | |
| | xx2B | | | | | | | | | | | |
| | xx3B | PWM/VFM Auto Switching PWM | | | | | | | | | | Yes |
| | xx4B | | | | | | | | | | | |
| AS1232D | xx1A/B | PWM | — | 2.6V to 5.5V | 0.9V to 3.3V | ±2% | 1MHz (A/C) 2.25MHz (B/D) | 1A | — | — | SON-8 | |
| | xx1C/D | | | | Ext. adjustable | | | | | | | ±16mV |
| AS1501K | xx1A | PWM, | — | 2.5V to 5.5V | 1.0V to 3.3V | ±1.5% | 2.25MHz | 1A | — | — | DFN(PLP)2527-10 | |
| | xx1B | PWM/VFM Auto Switching | | | | | | | | Yes | | |
| AS3505K | xx1A | Forced PWM, PWM/VFM Auto Switching | Yes | 2.3V to 5.5V | 0.6V to 3.3V | ±1.5% | 2.25MHz | 1A | Yes | — | DFN(PLP)2020-8 | |
| | xx1B | | | (VOUT ≥ 0.8V) | | | | | | Yes | | |
| | 001C | | | 2.3V to 5.5V | Ext. adjustable between 0.8V to 3.3V | ±9mV | | | | — | | |

Advanced Sensor Integrations Step-Down DC/DC Converter Product Series

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|---------|--------|---------------------------------------|-----|---------------------------------|--|-------|---|----|-----|-----|-----------------|
| AS3506K | xx1A/D | Forced PWM, PWM/VFM Auto Switching | Yes | 2.5V to 5.5V or 2.5V to 4.5V | 0.8V to 3.3V(A/B) 0.6V to 3.3V(D/E) | ±1.5% | 1.2MHz (D/E/F) 2.25MHz (A/B/C) | 2A | Yes | — | DFN(PLP)2527-10 |
| | xx1B/E | | | | | | | | | Yes | |
| | 001C | | | | Ext. adjustable between 0.8V to 3.3V | ±9mV | | | | — | |
| | 001D | | | | Ext. adjustable between 0.6V to 3.3V | | | | | | |

| Dual Output | | | | | | | | | | | |
|-------------|------|---------------------------------------|------|-------------------------------|--|-----------------------------------|-----------|---------------------------------|---------------------|-----------|-------------|
| Product | Ver. | Control | MODE | Input Voltage Range | Output Voltage | Voltage Accuracy ^{*1} | Frequency | Output Current ^{*2} | Thermal Shutdown | Auto- | Package |
| Name | | | pin | | Range | | | | | Discharge | |
| AS3550K 2ch | 001A | Forced PWM, PWM/VFM Auto Switching | Yes | 2.3V to 5.5V (VOUT ≥ 0.8V) | Ext. adjustable between 0.8V to 3.3V | ±9mV | 2.25MHz | 1A x2 | Yes | — | DFN(PLP)273 |