Industrial Test Comm Broadcast

# 20A Non-isolated SMT Point of Load

| Features | Benefits |
|---|---|
| • Fully Optimised Control Loop with Excellent Transient Response | • No External Loop Tuning Components Needed |
| • DOSA Compatible Footprint | • Ideal for Second Sourcing |
| • LGA or EPC Format | • Choice of Layout |




## Specification

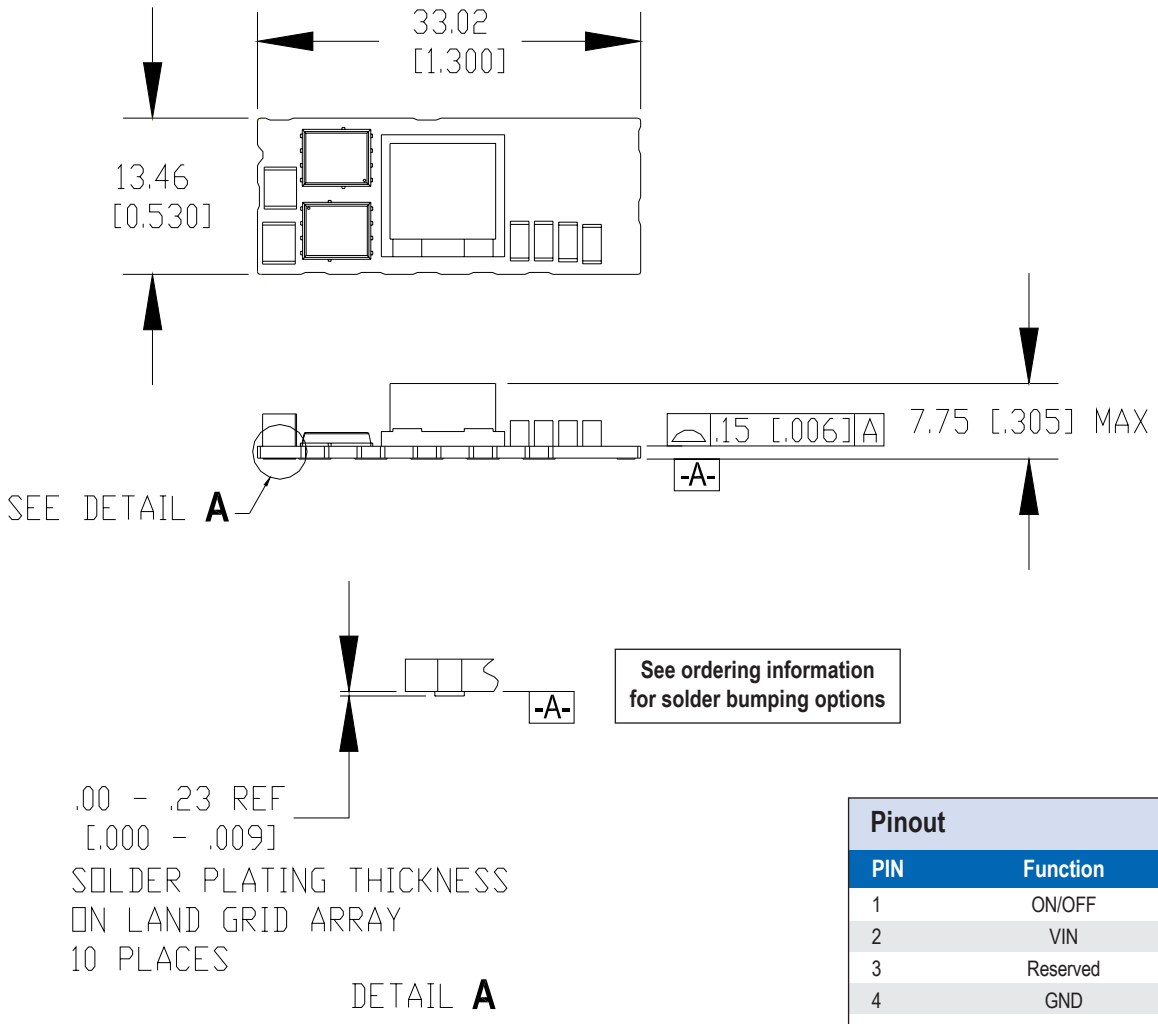
| Model | | iAF |
|---|---|---|
| DC Output Voltage | V | 0.70 - 5.5 |
| DC Input Voltage | V | 4.5 - 14 |
| Efficiency | % | 82 - 93.5 (1.2Vout to 5Vout) |
| Output Voltage Tolerance | % | ±3 |
| Switching Frequency | kHz | 600 |
| Line Regulation | mV | 3 |
| Load Regulation | mV | 7 |
| Preload | - | none |
| Output Ripple and Noise | mVpp | 10 |
| Overcurrent Protection | A | Hiccup Type |
| Remote On / Off | - | yes |
| Remote Sense | - | (+) Sense |
| Power Good Signal | - | yes |
| Operating Temperature | °C | -40°C to 115°C (see thermal data on website) |
| Storage Temperature | °C | -55°C to 125°C |
| Safety Agency Approvals | - | IEC/UL/CSA/EN62368-1, 60950-1, CE Mark |
| Weight | g | 5.5g |
| Size (LxWxH) | mm | 33 x 13.46 x 7.75 |
| Warranty | yrs | 3 years |

## Model Selector

| Model | Input Voltage (V) | Output Current (A) | Output Voltage (V) | Positive Logic On/Off | Negative Logic On/Off | Sequencing | LGA Solder Bumping |
|---|---|---|---|---|---|---|---|
| iAF12020A007V-007-R | 4.5 -14 | 20 | 0.70 - 5.5 | - | yes | - | yes* |

*For EPC solder bumping specify -003-R model suffix

## Outline Drawing iAF Series




**All Dimensions are in mm. (in).**
Unless otherwise specified tolerances are: xx±0.5mm (0.02), xxx±0.25mm (0.10)

### Pinout

| PIN | Function |
|---|---|
| 1 | ON/OFF |
| 2 | VIN |
| 3 | Reserved |
| 4 | GND |
| 5 | VOUT |
| 6 | TRIM |
| 7 | SENSE (+) |
| 8 | Reserved |
| 9 | PWR GOOD |
| 10 | Reserved |

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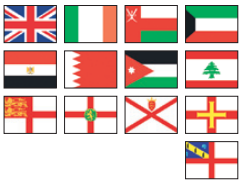
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