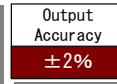
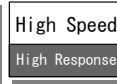


Digital control POL DC-DC Converter!

12A BDA Series



Digital control, Step down DC-DC converter

Input : +4.5V to +5.5V

Output : +0.8V to +2.5V

- By using Serial Communication (PMBus) Settings may be changed while in operation
- Power-up/down Sequence Setting Possible
- Ultra Thin Type
- High Load Response
- Over-Current Protection
- Non-Isolated Type converter
- Under Voltage Lock Out
- ON/OFF Control
- Adjustable Output Voltage
- Surface Mount Package(SMD)
- Operating Temp Range -40°C to +85°C (Temp Derating Required)
- RoHS Compliance

Models	Input V	Output V	Output I	Line Reg.	Load Reg.	Ripple Noise	Efficiency
12A BDA Series	Vdc	Vdc	A	%(typ.)	%(typ.)	mVpp(typ.)	%(typ.)
BDA-2.5S12R0	4.5-5.5	0.8-2.5	0 - 12	0.5	0.5	50	91

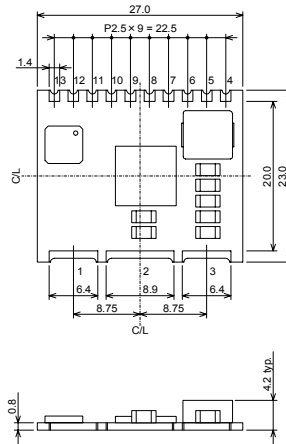
Note 1: The output can not be changed from an external resistor, the output voltage can be set only by using the serial communication.

Note 2: Ripple noise and efficiency are when Vin=5V, Vo=2.5V and Io=12A.

Note 3: Ripple noise is measured at 20MHz bandwidth with a multi layered ceramic capacitor with 220µF(SP-CAP) at input and 220µF(SP-CAP)x2+47µF at output.

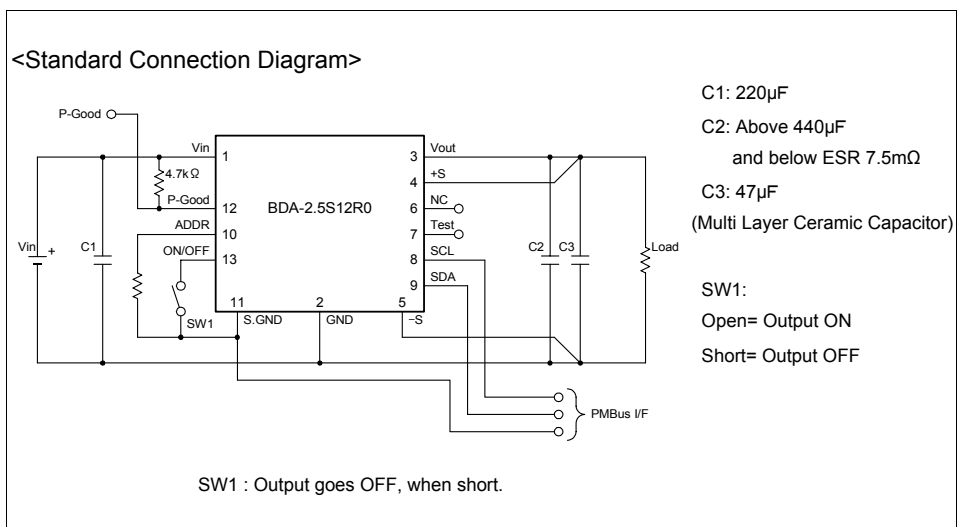
Note 4: Depending on the ambient temp , air flow cooling is required.

(Outline)



Pin	Function
1	Vin
2	GND
3	Vout
4	+S
5	-S
6	NC
7	Test pin
8	SCL
9	SDA
10	ADDR
11	S.GND
12	P-Good
13	ON/OFF

Weight : 3.2g typ.
units : mm
Tolerances unless otherwise specified : ±0.5



- Note!
This catalogue is an outline of the products. When designing, be sure to refer to the data sheets.