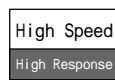
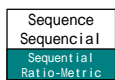
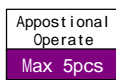
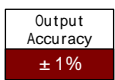
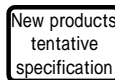


High power, SIP type POL DC-DC converter



Output voltage accuracy is $\pm 1\%$

BSR-25A Series

Ultra High Efficiency Step Down DC-DC Converters/ 82.5Watt BSR-25A Series

Load Sharing Function(2pcs=>50A). High efficiency(92%) step down DC-DC converter

Input: +12V (+8.0V ~ +14.0V)

Output: +0.6V (+0.6V ~ +3.3V)

- Sequential Function
Sequential Operation
Ratio-Metric Tracking Operation
- High speed responding
- High Efficiency
- Heat Sink not Required
- Current Share Mode(MAX: 5pcs)
- Wide Input Voltage
(12V Input available)
- Output voltage accuracy $\pm 1\%$
- Built-in Over-Current Protection
- Low input Voltage Protection
- Non-Isolated type
- Remote ON/OFF control
- Frequency Synchronous
(Synchronous mode or two phase mode)
- Adjustable Output Voltage
- High Reliability, High Performance
- Operation -40 ~ +85
(Temp. Derating required)
- RoHS Compliance

Models	Input V	Output V	Output I	Line Reg.	Load Reg.	Ripple Noise	Efficiency
BSR-25A Series	Vdc	Vdc	A	%(typ.)	%(typ.)	mVpp(typ.)	%(typ.)
BSR12-0.6S25R0	12 (8 ~ 14)	0.6 (0.6 ~ 3.3)	0 ~ 25	1.0	1.0	50	92

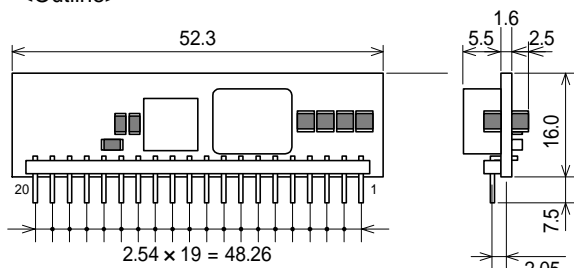
Note 1: The input voltage inside the () indicates the Input voltage range.

Note 2: The output voltage inside the () indicates the adjustable range.

Note 3: Output derating is required depending on output voltage.

Note 4: Efficiency value is indicated by rated input/output voltage and rated output current.

<Outline>



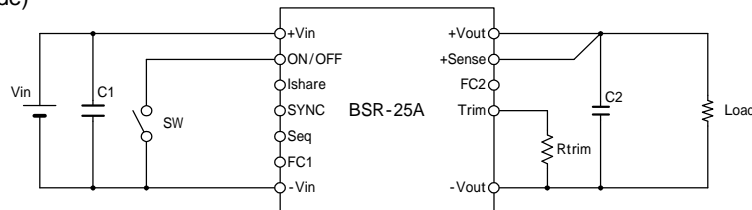
Unit mm

Dimensions :

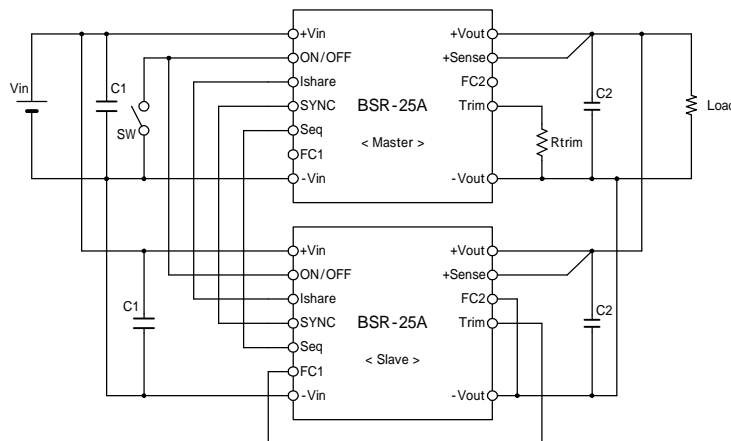
Pin	Function	Pin	Function
1	+Vout	11	NC
2	+Vout	12	FC1
3	+Sense	13	SYNC
4	+Vout	14	Ishare
5	-Vout	15	-Vin
6	-Vout	16	+Vin
7	FC2	17	+Vin
8	NC	18	Seq
9	NC	19	Trim
10	NC	20	ON/OFF

<Standard Connection Circuit Diagram>

(Single mode)



(Parallel mode)



Note
This catalog is an outline of the product.
When designing, be sure to refer the data sheets.