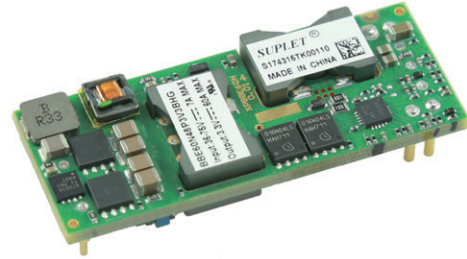


## Features

- Industry standard “Eighth-Brick” footprint
- Up to 40A output current
- High efficiency up to 94.5%
- Low output ripple and noise
- Excellent thermal performance
- Adjustable output voltage (-20%~+10%Vo)
- IUVP, OVP, OTP, OCP, SCP
- Compliance with the EU RoHS directive 2011/65/EU and (EU)2015/863



## General Specifications

### Input Characteristics

Parameter	Specifications
Input voltage <small>Note①</small>	36-75Vdc
	18-60Vdc
Remote Control <small>Note②</small>	Positive(P), Negative (N)

### Protection Characteristics

Parameter	Specifications
Input under voltage protection	Yes
Output over voltage protection	Hiccup mode Automatic recovery
Over current protection	Hiccup mode Automatic recovery
Short circuit protection	Hiccup mode Automatic recovery
Over temperature protection	Hiccup mode Automatic recovery

### Output Characteristic

Parameter	Specifications
Output power <small>Note①</small>	72-300W
Output voltage <small>Note①</small>	2.5/3.3/5/12Vdc
Output voltage precision	±2%
Output voltage trim logic <small>Note②</small>	Positive(P), Negative(N)
Output voltage adjustment range	-20%~+10%Vo
Line regulation	±0.2%
Load regulation	±0.5%
Dynamic response	±5%Vo/250us@25%-50%-75% Io(max.) di/dt=2.5A/μs
Ripple and noise	100mV(typ.)

### General Characteristic

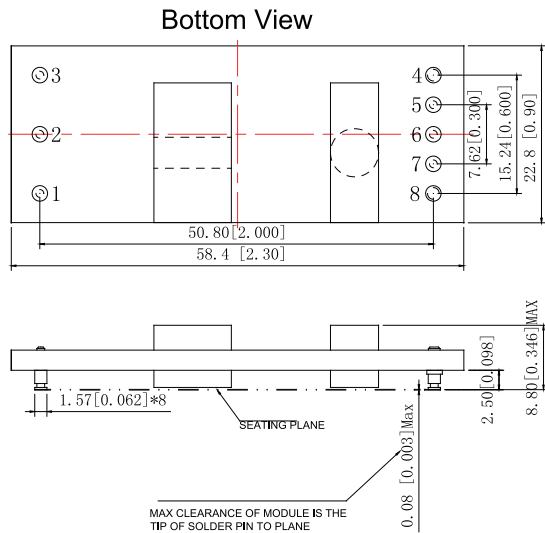
Parameter	Specifications
Efficiency	94.5%(max.)
Operating ambient temperature	-40 C~+85 C
Storage temperature	-55 C~+125 C
Switching Frequency	110-420kHz
Temperature coefficient	200PPM
Isolation voltage	1500Vdc
Isolation resistance	10MΩ (min.)
Safety	Meets IEC60950-1&IEC/UL/EN62368-1
MTBF	8Mhours Telcordia SR332 Issue 4,2016, 40 C
Packaging	Through-Hole or SMD

Note① Refer to order-information list in the following page for specific values of input and output

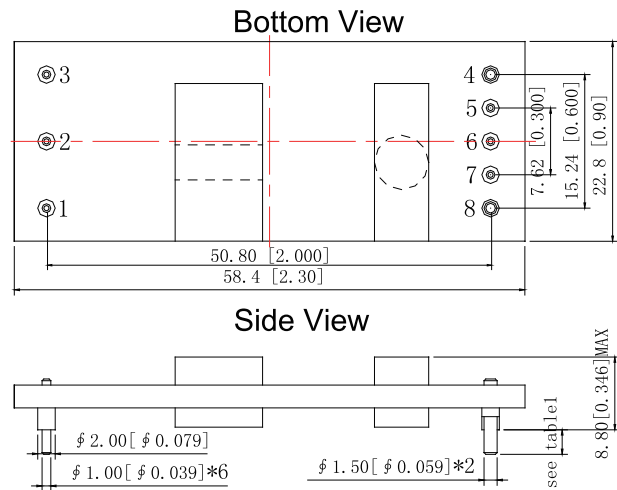
Note② Refer to the production naming rules

## Outline Diagram (Unit:mm[inch])

Outline diagram (Surface mounting version)



Outline diagram (Through-hole mounting version)



## Pin Designations

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	+Vin	Positive input voltage	5	-SENSE	Negative remote compensate
2	REM	Remote control	6	TRIM	Output voltage trim
3	-Vin	Negative input voltage	7	+SENSE	Positive remote compensate
4	GND	Negative output voltage	8	Vo1	Positive output voltage

## Order Information

MPN	Input voltage	Output voltage	Output current	Power	Efficiency	Physical Dimensions
BBE6N48P12GSG	36-75Vdc	12Vdc	6A	72W	92.5%	1/8 Brick
BBE15N48P5GSG	36-75Vdc	5Vdc	15A	75W	92%	1/8 Brick
BBE20N48P5GSG	36-75Vdc	5Vdc	20A	100W	92%	1/8 Brick
BBE35N48P3V3BHW	18-60Vdc	3.3Vdc	35A	115.5W	92.5%	1/8 Brick
BBE30N48P5CHG	36-75Vdc	5Vdc	30A	150W	92%	1/8 Brick
BBE60N48P3V3BHG	36-75Vdc	3.3Vdc	60A	198W	93.5%	1/8 Brick
BBE60N48P2V5BHG	36-75Vdc	2.5 Vdc	60A	150	92%	1/8 Brick
BBE40N48P5GSG	36-75Vdc	5Vdc	40A	200W	94.2%	1/8 Brick
BBE20N48P12BHG	36-75Vdc	12Vdc	20A	240W	94%	1/8 Brick
BBE25N48S12CTGB	36-75Vdc	12Vdc	25A	300W	94.5%	1/8 Brick
BBE25N48S12BHG	36-75Vdc	12Vdc	25	300W	94.5%	1/8 Brick

Note: All information contained in this catalog is subject to change without notice, please visit our official website [www.suplet.com](http://www.suplet.com) or contact our sales for the latest information.