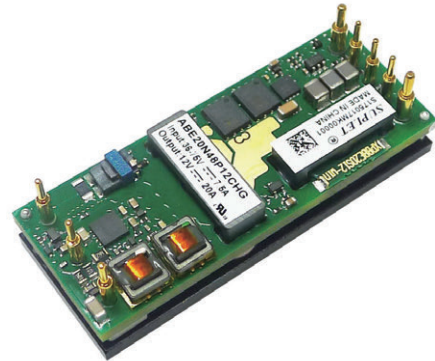


Features

- 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
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>	200-300W
Output voltage <small>Note①</small>	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

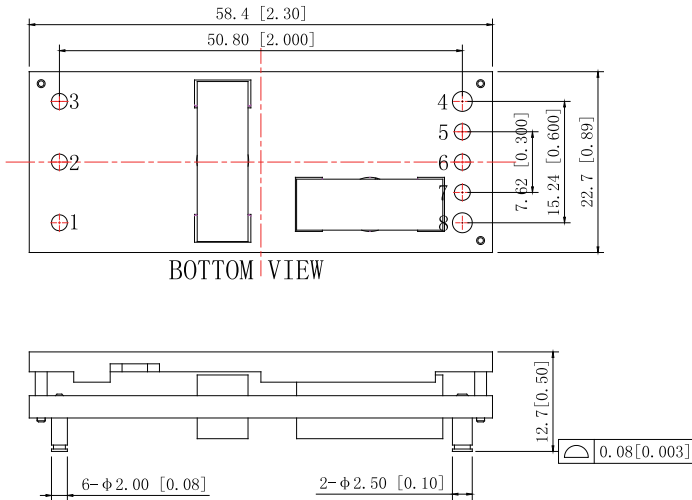
Parameter	Specifications
Efficiency	94.5%(max.)
Operating ambient temperature	-40 C~+85 C
Storage temperature	-55 C~+125 C
Switching Frequency	150-210kHz
Temperature coefficient	200PPM
Isolation voltage	1500Vdc
Isolation resistance	10MΩ (min.)
Safety	Meets IEC60950-1&IEC/UL/EN62368-1
MTBF	8Mhours Telcordia 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

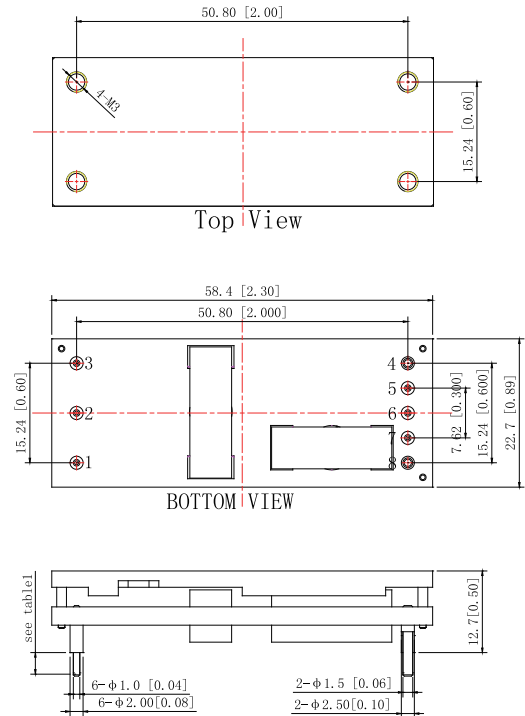
Note② Refer to the production naming rules

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
ABE40N48P5BHG	36-75Vdc	5V	40A	200W	94.2%	Eighth-Brick
ABE40N48P5CHG	36-75Vdc	5V	40A	200W	94.2%	Eighth-Brick
ABE40P48P5AHG	36-75Vdc	5V	40A	200W	94.2%	Eighth-Brick
ABE20N48P12CHG	36-75Vdc	12V	20A	240W	94%	Eighth-Brick
ABE20N48S12BHG	36-75Vdc	12V	20A	240W	94%	Eighth-Brick
ABE25P48S12BTG	36-75Vdc	12V	25A	300W	94.5%	Eighth-Brick

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