

Features

- Industry standard “Sixteenth-Brick” footprint
- Up to 20A output current
- High efficiency up to 92.5%
- 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>	50-100W
Output voltage <small>Note①</small>	5/12/4.2Vdc
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/200us@25%-50%-75% Io(max.) di/dt=2.5A/μs
Ripple and noise	80mV

General Characteristic

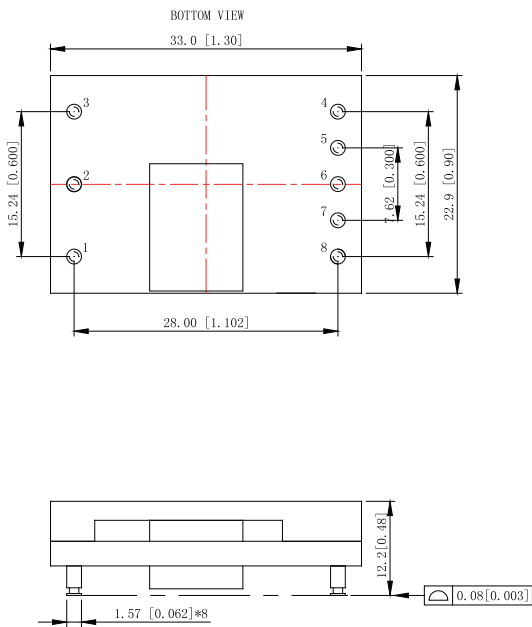
Parameter	Specifications
Efficiency	92.5%(max.)
Operating ambient temperature	-40 C~+85 C
Storage temperature	-55 C~+125 C
Switching Frequency	250-350kHz
Temperature coefficient	200PPM
Isolation voltage	1500Vdc
Isolation resistance	10MΩ (min.)
Safety	Meets IEC60950-1&IEC/UL/EN62368-1
MTBF	12Mhours Telcordia 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

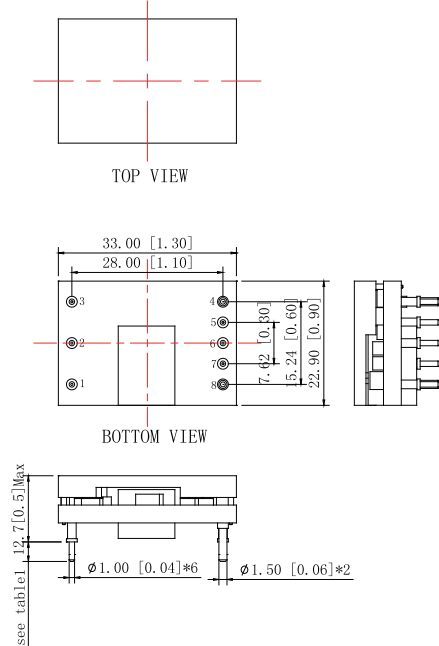
Note② Refer to the production naming rules

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 compensation
2	REM	Remote control	6	TRIM	Output voltage trim
3	-Vin	Negative input voltage	7	+SENSE	Positive remote compensation
4	GND	Negative output voltage	8	Vo1	Positive output voltage

Order Information

MPN	Input voltage	Output voltage	Output current	Power	Efficiency	Physical Dimensions
ABS10N48P5CHG	36-75Vdc	5Vdc	10A	50W	90%	Sixteenth-Brick
ABS7P48P12IHG	36-75Vdc	12Vdc	7A	84W	91%	Sixteenth-Brick
ABS17P48P12IHGA	36-75Vdc	12Vdc	17A	200W	92.5%	Sixteenth-Brick
ABS20N48P5BHGA	36-75Vdc	5Vdc	20A	100W	92%	Sixteenth-Brick
ABS20N48P5GSGA	36-75Vdc	5Vdc	20A	100W	92%	Sixteenth-Brick
ABS20P48P5BHGI	36-75Vdc	5Vdc	20A	100W	92%	Sixteenth-Brick
ABS8N48P12BHGS	36-75Vdc	12Vdc	8.3A	100W	92.5%	Sixteenth-Brick
ABS30N48P5BHGA	36-75Vdc	5Vdc	30A	150W	92%	Sixteenth-Brick
ABS30N48P4V2GSGA	36-75Vdc	4.2Vdc	30A	126W	90%	Sixteenth-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.