

# H48SC Series

## FEATURES

### Electrical

- Efficiency up to 95%
- OTP, Input UVLO, Output OCP, OVP
- Isolation and basic insulation
- Pre-biased startup
- No minimum load required
- Positive or negative remote ON/OFF
- Parallel and droop current sharing
- PMBUS function

### Safety & Certificate

- IEC/EN/UL/CSA 62368-1 (for 25A only)
- IEC/EN/UL/CSA 60950-1



1/2  
brick

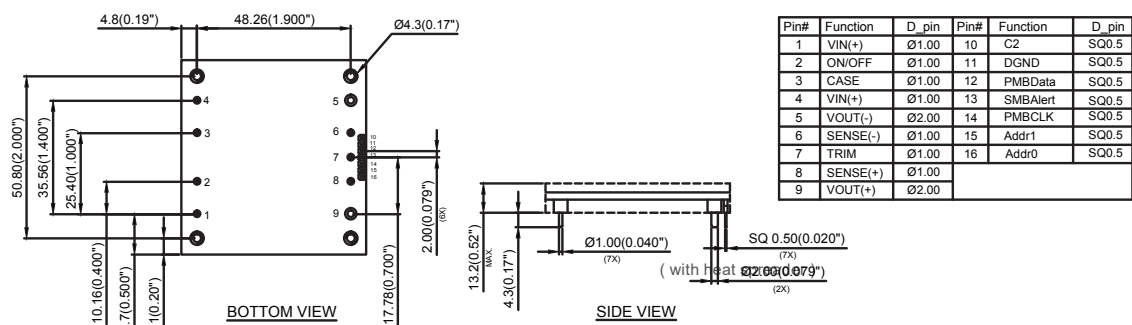
2:1  
input



## SPECIFICATIONS

| Part Number | Input Voltage | Output Voltage | Vo trim range | Output Current | Output Power | Efficiency | Isolation Voltage | Size (LxWxH)        |
|-------------|---------------|----------------|---------------|----------------|--------------|------------|-------------------|---------------------|
| H48SC28016  | 36~75V        | 28V            | 23~33V        | 16A            | 450W         | 95%        | 1500V             | 61 x 57.9 x 13.2 mm |
| H48SC28025  | 36~75V        | 28V            | 23~34V        | 25A            | 700W         | 95%        | 1500V             | 61 x 57.9 x 12.7 mm |

## MECHANICAL DRAWING



## PART NUMBERING SYSTEM

| H              | 48            | S                 | C              | 280            | 16                   | N                           | R                                      | F                        | H           |                      |               |
|----------------|---------------|-------------------|----------------|----------------|----------------------|-----------------------------|----------------------------------------|--------------------------|-------------|----------------------|---------------|
| Form Factor    | Input Voltage | Number of Outputs | Product Series | Output Voltage | Output Current       | ON/OFF Logic                | Pin Length                             | RoHS                     | Option Code |                      |               |
| H - Half Brick | 48 - 36~75V   | S - Single        | C- Family Name | 280 - 28V      | 16 - 16A<br>25 - 25A | N - Negative<br>P- Positive | K – 0.110"<br>N – 0.145"<br>R – 0.170" | F - RoHS 6/6 (Lead Free) |             | PMBUS pin (10~16pin) | Heat Spreader |
|                |               |                   |                |                |                      |                             |                                        |                          | A           | No                   | No            |
|                |               |                   |                |                |                      |                             |                                        |                          | B           | Yes                  | No            |
|                |               |                   |                |                |                      |                             |                                        |                          | C           | Yes                  | Yes           |
|                |               |                   |                |                |                      |                             |                                        |                          | H           | No                   | Yes           |