



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Nominal data**

| Type                     | 6448 M            |          |
|--------------------------|-------------------|----------|
| Nominal voltage          | VDC               | 48       |
| Nominal voltage range    | VDC               | 28 .. 60 |
| Speed                    | min <sup>-1</sup> | 2850     |
| Power input              | W                 | 11.5     |
| Min. ambient temperature | °C                | -20      |
| Max. ambient temperature | °C                | 72       |
| Air flow                 | m <sup>3</sup> /h | 350      |
| Sound power level        | B                 | 6.0      |
| Sound pressure level     | dB(A)             | 52       |

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit  
Subject to alterations



## Technical features

|                                     |                                                                                                                         |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Mass                                | 0.760 kg                                                                                                                |
| Dimensions                          | 172 x 150 x 51 mm                                                                                                       |
| Material of impeller                | Fiberglass-reinforced PA plastic                                                                                        |
| Housing material                    | Aluminum. Housing with grounding lug for screw M4 x 8 (TORX). 48 V version incl. screws.                                |
| Direction of air flow               | Air exhaust over bars                                                                                                   |
| Direction of rotation               | Left, looking at rotor                                                                                                  |
| Bearing                             | Ball bearings                                                                                                           |
| Lifetime L10 at 40 °C               | 80000 h                                                                                                                 |
| Lifetime L10 at maximum temperature | 37500 h                                                                                                                 |
| Connection line                     | Flat plugs 3.0 x 0.5 mm.                                                                                                |
| Motor protection                    | Protected against reverse polarity and locking.                                                                         |
| Locked-rotor protection             | Electronic blocking protection, with electronic motor current limit in the startup phase and when the rotor is blocked. |
| Approval                            | VDE, CSA, UL, CE                                                                                                        |

## Product drawing



## Charts: Air flow

