

Thin DC Fan



There is still 15% annual growth rate for global computer demand according to the forecast by IDC. The growth rate of 586 computer is even higher. Any computer with high speed CPU of Pentium and up needs a fan to dissipate heat. SUNON THIN DC FAN series are available with 5 different sizes with 10mm thickness to meet the fast change of information industry needs. This series can provide various air volume to reduce CPU temperature under various operating speed in order to promote CPU calculating efficiency and to prolong computer lifetime.

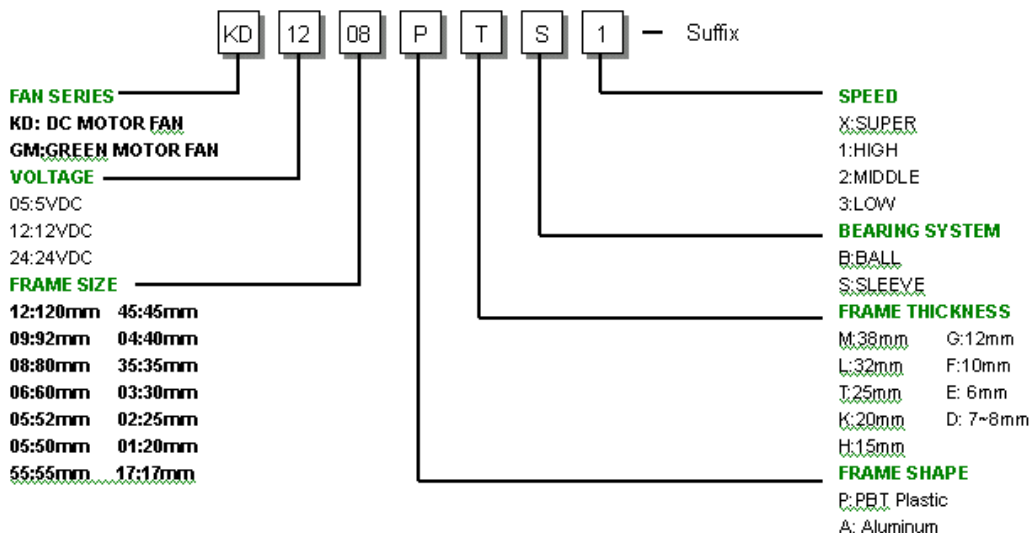
Applications:

Personal Computer, CPU Cooler, Switch Power Supply, Networking System, Hub, Power Units, Enclosure Projector, Air Cleaner, Test Instrument and Calibration Equipment.

General Data

- Direction of Rotation :** Counter-Clockwise Viewed from Fan Blade
- Air Flow Direction :** Label Side
- The Best Mounting Direction :** In Any Orientation
- Operating Temperature :** -10 to +70 Deg.C
- Storage Temperature :** -40 to +70 Deg.C
- Bering System :** Precise Ball Bearing System or Lubricated Sintered Sleeve Bearing System
- Tolerances :** 15% on Rated Power & Current
- Insulation Resistance :** More than 500M ohm between internal stator and lead wire(+) measured by DC 500V
- Dielectric Strength :** Applied AC 500V for one minute or AC 600V for two seconds between housing and lead wire(+)
- Safety Protection :** Electronic locked rotor protected
- Vibration :** Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in the 3 directions (X, Y, Z) for 30 minutes, each direction at the cycle of 1 minute.

Model Numbering System



NOMENCLATURE / SUFFIX

Basic Model Number for Brushless DC fan is with four poles motor. Suffixes have the following significance:
-6/-8: Motor with six poles / Motor with eight poles | **A:** Motor protection by IC | **AS:** Motor protection by IC combined with a temperature sensor | **AM:** Motor protection by IC combined with an alarm | **AD:** Motor combination of AS and AM
B: Motor without automatic restart function | **M:** Motor protection by IC output | **AR:** Motor protection by IC with rotation detects waveform | **AF:** Motor protection by IC with frequency generation waveform | **OC:** Motor with low starting voltage
OCM: Motor with open collector type and low starting voltage