

Ultra Thin DC Fan



In addition to a well established standard range of AC and DC brushless fans, Sunon has pioneered the expansion of a new family of reliable Micro Cooling Devices- A wide range of DC fans, blowers and coolers small enough to fit in and powerful enough to cool compact electronics devices and notebook PCs. Sunon Ultra-thin DC Fan is powered by Sunon's patented power-saving 8-pole DC motor that provides a very low noise level with 40% less power consumption than competitors.

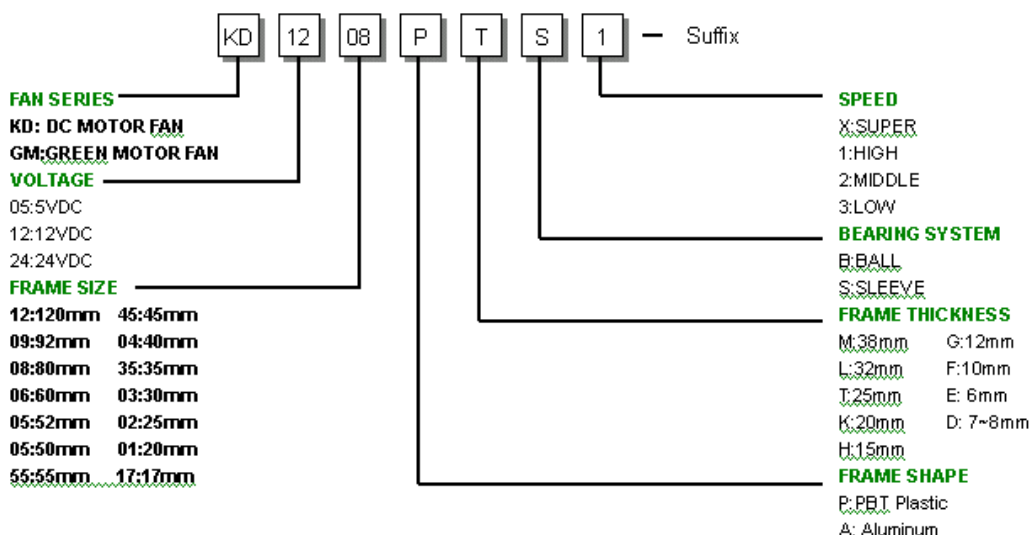
Applications:

Notebook PC, Scanner, Space Limited Product, Electronic Compact Device, Digital Camera, Deck, ...etc.

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(+)
(withstand voltage)
- 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