

12VDC 4.7" x 1-1/2" (120 x 38mm) Fan with Speed Control

MFG: TKFAN
P/N: DCH12038HV12B
Volts: 12VDC
Current: 2.5A
CFM: ~285
 Noise: ~72db
 Ball bearing Fan with Plastic blades & housing.
 PWM or DC speed control:
 DC: 0-10V Linear Increase Above 1V
 PWM: 25 to 30KHz @ <0.8V Low 3-10V High
 Duty Cycle: 10-100% Linear increase above 10%
 Black is Negative, Yellow is Positive, Blue is PWM input
 7" Wire Leads with Molex Plug
 Approvals: CE, RoHS
SQ: 4-11/16" (120mm) **T:** 1-1/2" (38mm) **WT:** .9



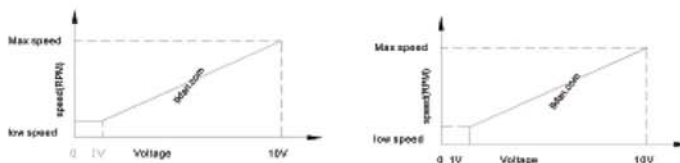
PWM & DC Speed Control

Connection diagram



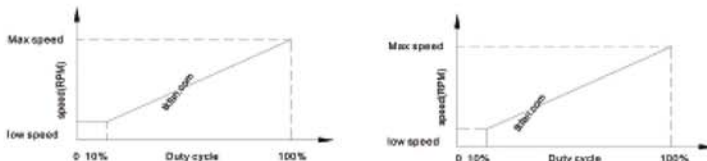
PWM (DC Voltage control) Introduction

With this function, the speed can be controlled by applying an extra DC voltage signal. This voltage input "Vin" may have any value from 0V to 10V (0V~5V is ok too, it's depending on your application). Normally two kinds of "speed VS dc voltage curve" are used.

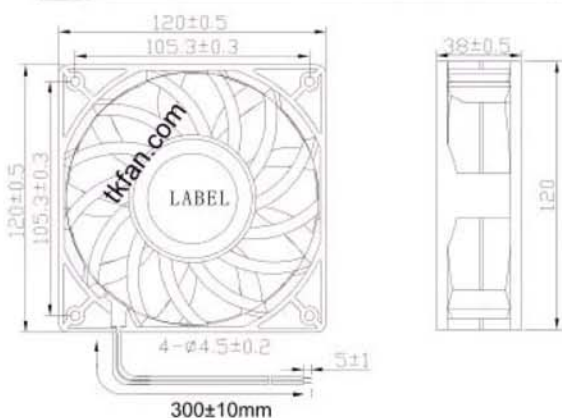


PWM (duty cycle control) Introduction

With this function, the speed can be controlled by applying a pulse width modulated signal whose frequency maybe in the range of 25k Hz~30k Hz. High voltage means 3~10V. Low voltage means 0~0.8V. Normally two kinds "Speed Vs duty cycle curve" are used.



DIMENSIONS DRAWING(unit:mm)



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