SPECIFICATIONS

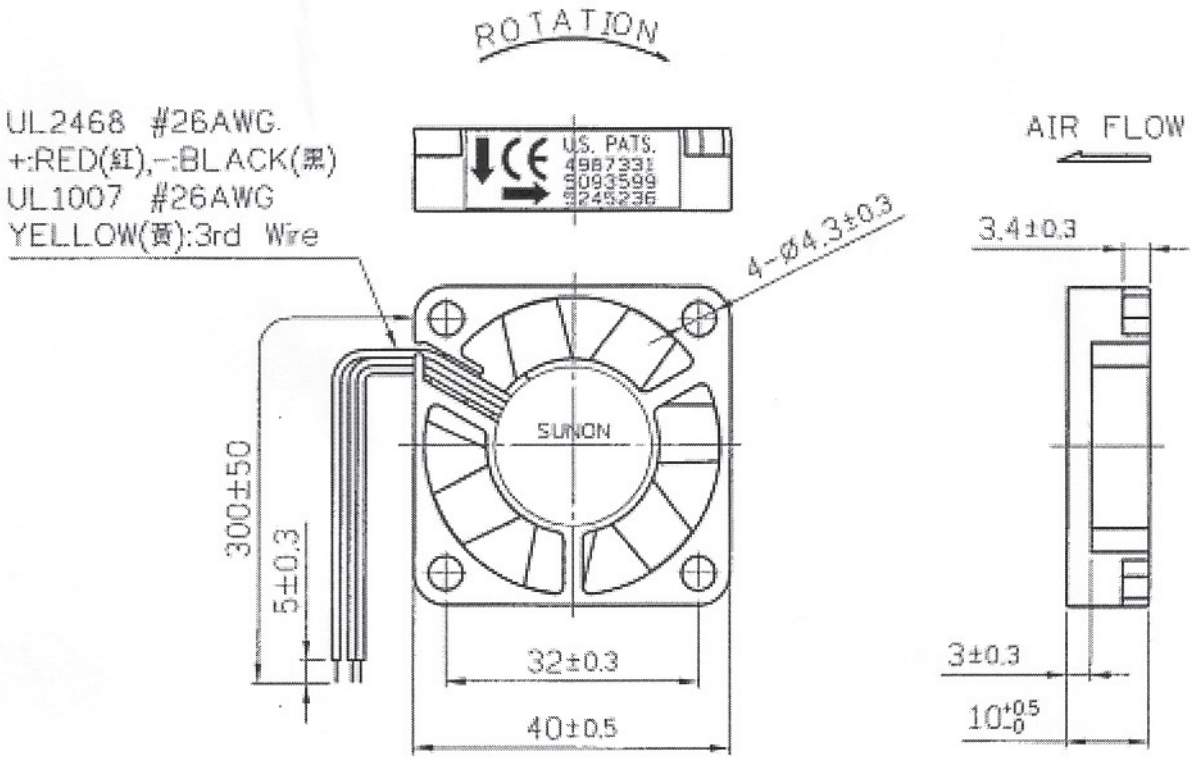
MODEL: KDE1204PFV2
P/N : 11.MS.AF

1-1. Rated Voltage	:	**12 VDC**
1-2. Operating Voltage Range	:	**5~13.8 VDC**
1-3. Starting Voltage	:	**5 VDC(25• •POWER ON/OFF)**
1-4. Rated Speed	:	**5800 RPM ± 1000 RPM**
1-5. Air Delivery	:	**7.0 CFM / Max. 8.5 CFM**
1-6. Static Pressure	:	**0.13 Inch-H_2O / Max. 0.15 Inch-H_2O**
1-7. Rated Current	:	**0.08 AMP / Max. 0.10 AMP**
1-8. Rated Power	:	**1.0 WATTS / Max. 1.2 WATTS**
1-9. Noise Level	:	**27 dB(A) / Max. 34 dB(A)**
1-10. Direction of Rotation	:	**Counter-clockwise viewed front fan blade**
1-11. Operating Temperature	:	**-10 to +70 Deg.C**
1-12. Storage Temperature	:	**-40 to +70 Deg.C**
1-13. Bearing System	:	**Vapo bearing system**
1-14. Weight	:	**14 g**
1-15. Safety	:	**UL/CUR/TUV/CE Approvals**
1-16. 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.**
1-17. Locked Rotor Protection	:	**Automatic Restart Capability** Note: In the case that the fan is locked by force while the electricity is on, coil temperature rise will be prevented by intermittently turning off the motor operating electricity. The fan will automatically restart when the locked rotor condition is released

MATERIAL

2-1. Frame	**:**	**Thermoplastic PBT of UL 94V-0**
2-2. Impeller	**:**	**Thermoplastic PBT of UL 94V-0**
2-3. Bobbin	**:**	**Thermoplastic PBT of UL 94V-0**
2-4. Lead Wire	**:**	**UL2468,26AWG,+RED;-BLACK** **UL1007,26AWG,YELLOW:3rd Wire**

DIMENSIONS



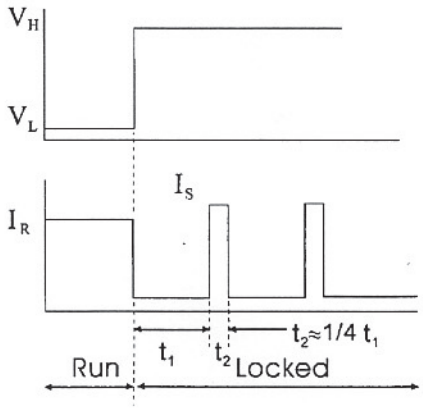
1.Air Flow Direction: Label side.
2.The Best Mounting Direction: In any orientation.

UNITS• mm

FAN 3rd WIRE

Fan with driver IC:

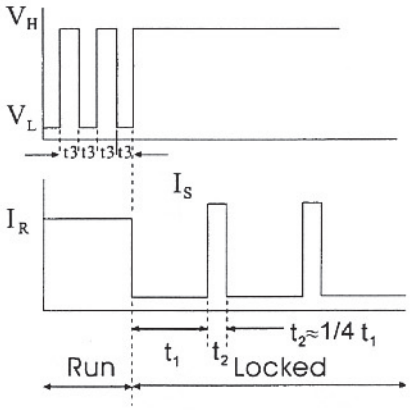
• • R Type (Rotation Detector)



3rd wire signal :
Run :V_L
Locked :V_H

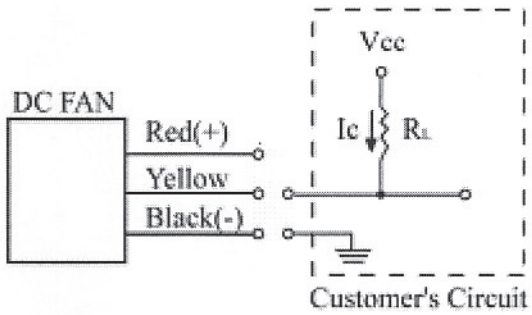
t_1:Locked protection by cut-off run current (I_R)
t_2:Auto-restart by sending starting current (Is)

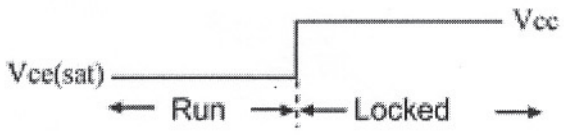
• • F Type (Frequency Generator)



3rd wire signal :
Run :Square Wave
Locked :V_H

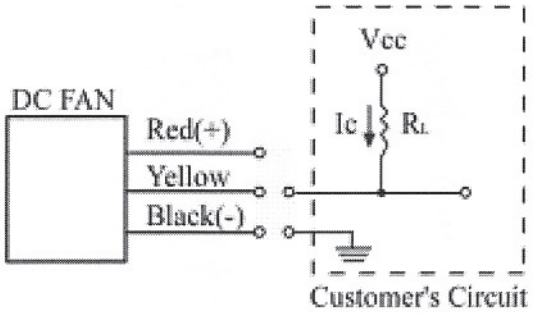
t_3:F Type has open collector circuit designed for rpm measurement.•

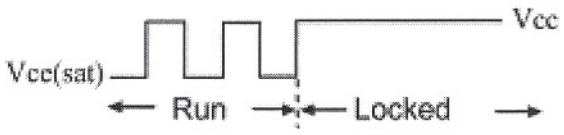




Vcc=+30V max
Ic=10mA max

$$Ic = \frac{Vcc}{R_L}$$





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