



SLIM-LINE BLOWERS

Wakefield-Vette's unique slim and powerful DC blowers are perfect for ultra-thin cooling applications, where cooling is a must. The Slim-Line blower features an ultra-thin blade design resulting in excellent performance & sound quality.

SLIM-LINE BLOWERS



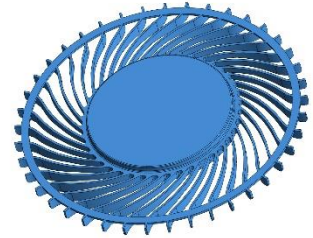
The Slim-Line Blower three-phase motor design provides exceptional balancing characteristics and low power consumption. Designed for tablets, notebooks, automotive, gaming monitors, all in one PC's, or any other low-profile application, these powerful, ultra-thin, direct-diverting blowers can be as thin as 3.2mm

Options:

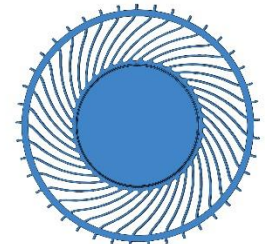
- IP-55 water protection rating
- Pulse width modulation control (PWM)
- Frequency generator output (FG signal/tach)
- Custom sizes and performances

Features & Benefits:

- Sizes include:
 - Ultra Thin- as low as 3mm up to 10mm
 - Various Footprints
 - Custom sizes available Upon Request
- Operating temperature- -10°C to +70°C
- Long life- Rated 50,000 hours @ 40 °C
- Fluid Bearing (AFB)
- Three-phase motor
- Optimized blade design
- Ultra-quiet (as low as 21db)
- Suitable for automotive applications



Optimized Blade Design



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination
DB1703	17*17*3.2	ULTRA THIN DC BLOWER 17X17X3.2MM 3V .204CFM	3	0.20	3.78	26.6dB(A)	0.12	12000	3 Wire, No Connector
DB2003	20*20*3.2	ULTRA THIN DC BLOWER 20X20X3.2MM 3V .34CFM	3	0.34	4.66	26.9dB(A)	0.24	11000	3 Wire, No Connector
DB03003	30*30*3.2	ULTRA THIN DC BLOWER 30X30X3.2MM 5V .69CFM PWM	5	0.70	8.37	34.1dB(A)	0.50	9500	4 Wire, PWM No Connector
DB03004	30*30*4.0	ULTRA THIN DC BLOWER 30X30X4MM 5V .76CFM	5	0.76	8.80	31.3dB(A)	0.50	9500	2 Wire, No Connector
DB03010	30*30*10	ULTRA THIN DC BLOWER 30X30X10MM 5V 1.09CFM	5	1.09	5.61	28dB(A)	1.10	7000	2 Wire, No Connector
DB05505	55*50*5.25	ULTRA THIN DC BLOWER 55X55X5.25MM 5V 1.27CFM	5	1.27	3.79	21.2dB(A)	0.70	3100	2 Wire, No Connector
DB05905	59.3*55.6*5.6	ULTRA THIN DC BLOWER 59.3X55.6X5.6MM 5V 3.25CFM	5	3.25	17.08	41.1dB(A)	1.90	6700	4 Wire, PWM No Connector
DB06304	63*63*4	ULTRA THIN DC BLOWER 63X63X4MM 5V 2.15CFM	5	2.15	12.84	35.4dB(A)	1.75	5700	4 Wire, PWM No Connector
DB06205	61.8*57.3*5.6	ULTRA THIN DC BLOWER 61.8X57.3X5.6MM 5V 2.68CFM	5	2.68	19.90	42.8dB(A)	1.90	7400	4 Wire, PWM No Connector
DB08904	89.1*83.8*4.7	ULTRA THIN DC BLOWER 89.1X83.8X4.7MM 5V 3.91CFM	5	3.91	11.40	38.5dB(A)	1.50	3400	4 Wire, PWM No Connector
DB08705	87*74.5*5	ULTRA THIN DC BLOWER 87X74.5X5MM 5V 4.63CFM	5	4.63	14.52	40.9dB(A)	2.25	4500	4 Wire, PWM No Connector
DB09006	87*74.5*5.5	ULTRA THIN DC BLOWER 87X74.5X5.52MM 12V 5.70CFM	5	5.70	15.87	41.85dB(A)	2.25	4600	4 Wire, PWM No Connector

DB1703

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB170303H1A-3T0	17*17*3.2	ULTRA THIN DC BLOWER 17X17X3.2MM 3V .204CFM	3	0.20	3.78	26.6dB(A)	0.12	12000	3 Wire, No Connector	1.5

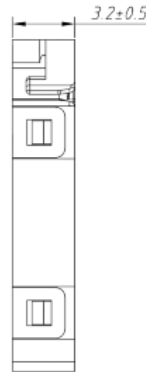
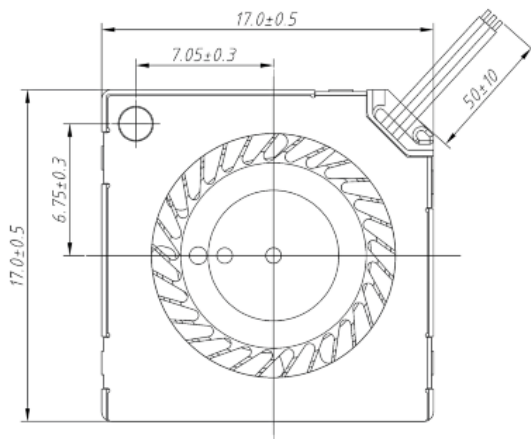
Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 50±10 mm lead length

RED WIRE----- (+)

BLACK WIRE----- (-)

YELLOW WIRE----- (FG)



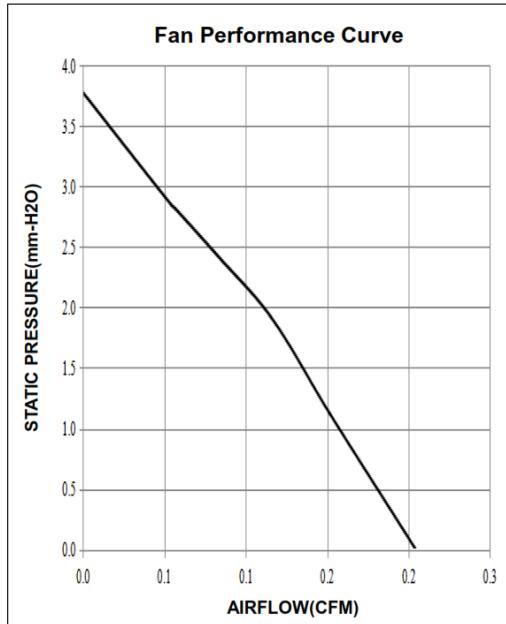
FEATURES

☒ V	FG SIGNAL	☐	IP-55 RATED
☐	RD SIGNAL	☐	HIGH TEMP RATED
☐	PWM		

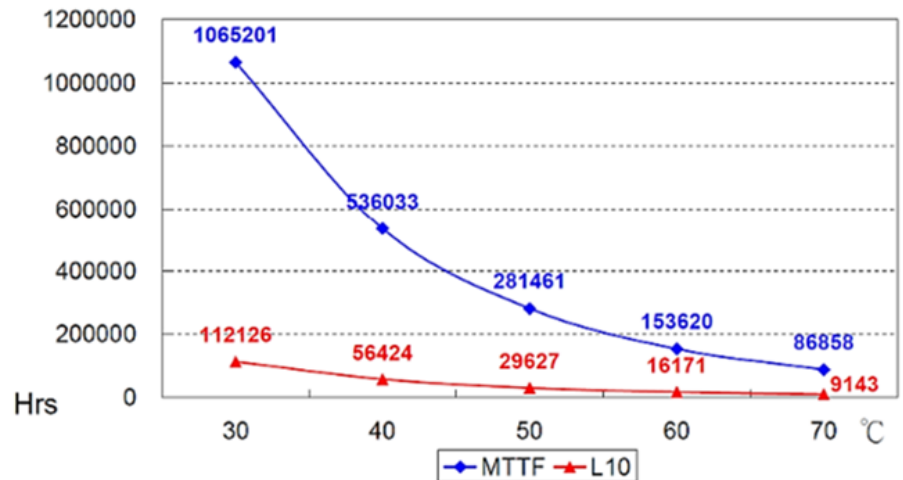
DIMENSIONS

BEARING TYPE	: AFB
MOTOR PROTECTION	: BY IC
RATED VOLTAGE	: 3.0 VDC
OPERATING VOLTAGE RANGE	: 2.2 ~ 3.5 VDC
START-UP VOLTAGE	: 2.2 VDC , POWER ON/OFF
REAL CURRENT	: 0.04 Amp
REAL POWER	: 0.12 Watt
RATED CURRENT	: 0.06 Amp +10% MAX
RATED POWER	: 0.18 Watt
RATED SPEED	: 12000 RPM ± 15 %
	(IN FREE AIR AT RATED VOLTAGE)
AIR FLOW	: 0.204 CFM (min.: 0.173 CFM)
AIR FLOW	: 0.005 CMM (min.: 0.004 CMM)
	(IN FREE AIR AT RATED VOLTAGE)
STATIC AIR PRESSURE	: 0.148 InH ₂ O (min.: 0.106 InH ₂ O)
STATIC AIR PRESSURE	: 3.78 mmH ₂ O (min.: 2.731 mmH ₂ O)
	(IN FREE AIR AT RATED VOLTAGE)
NOISE LEVEL (0.3M)	: 26.6 dB(A) (MAX.: 29.6 dB(A))
LIFE EXPECTANCY	: 50000 Hours at 40°C / 65% RH
NET WEIGHT	: 1.5 Gram

Fan Performance Curve



MTTF & L10 Curve



DB2003

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB200303H1A-3T0	20*20*3.2	ULTRA THIN DC BLOWER 20X20X3.2MM 3V .34CFM	3	0.34	4.66	26.9dB(A)	0.24	11000	3 Wire, No Connector	1.5

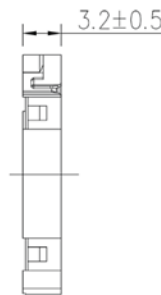
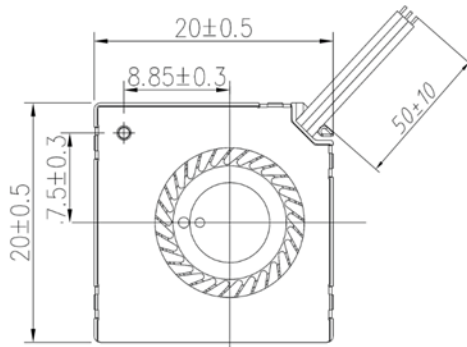
Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 50±10 mm lead length

RED WIRE----- (+)

BLACK WIRE----- (-)

YELLOW WIRE----- (FG)

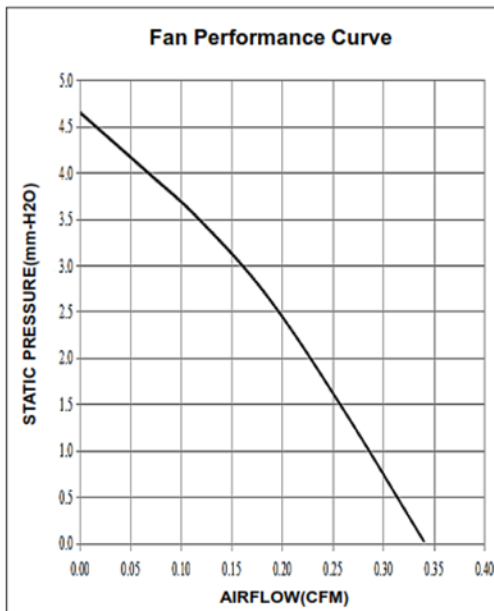


FEATURES

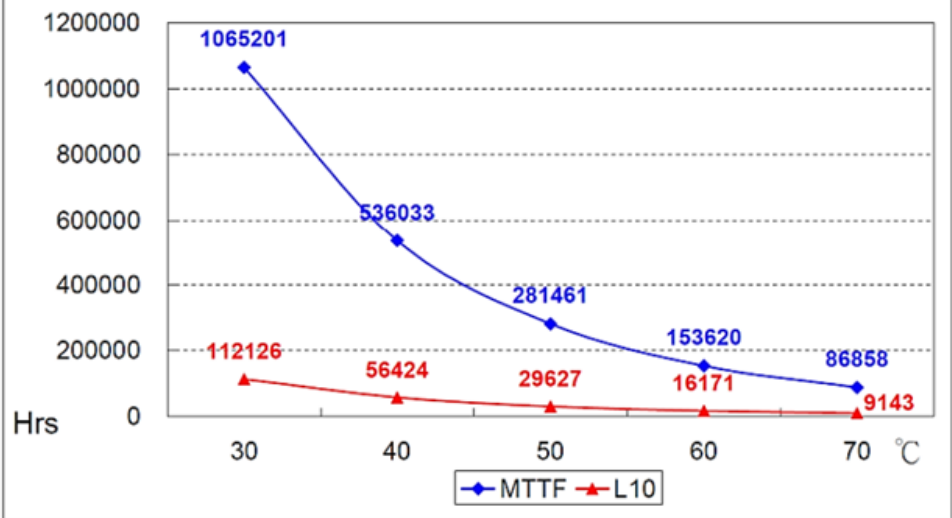
☒ V	FG SIGNAL	☐	IP-55 RATED
☐	RD SIGNAL	☐	HIGH TEMP RATED
☐	PWM		

DIMENSIONS

DIMENSIONS	: 20 X 20 X 3.2 mm
BEARING TYPE	: AFB
MOTOR PROTECTION	: BY IC
RATED VOLTAGE	: 3.0 VDC
OPERATING VOLTAGE RANGE	: 2.2 ~ 3.5 VDC
START-UP VOLTAGE	: 2.2 VDC , POWER ON/OFF
REAL CURRENT	: 0.08 Amp
REAL POWER	: 0.24 Watt
RATED CURRENT	: 0.12 Amp +10% MAX
RATED POWER	: 0.36 Watt
RATED SPEED	: 11000 RPM ± 15 %
	(IN FREE AIR AT RATED VOLTAGE)
AIR FLOW	: 0.340 CFM (min. 0.289 CFM)
AIR FLOW	: 0.009 CMM (min. 0.007 CMM)
	(IN FREE AIR AT RATED VOLTAGE)
STATIC AIR PRESSURE	: 0.183 InH ₂ O (min. 0.132 InH ₂ O)
STATIC AIR PRESSURE	: 4.660 mmH ₂ O (min. 3.366 mmH ₂ O)
	(IN FREE AIR AT RATED VOLTAGE)
NOISE LEVEL (0.3M)	: 26.9 dB(A) (MAX.: 29.9 dB(A))
LIFE EXPECTANCY	: 50000 Hours at 40°C / 65% RH
NET WEIGHT	: 1.5 Gram



MTTF & L10 Curve



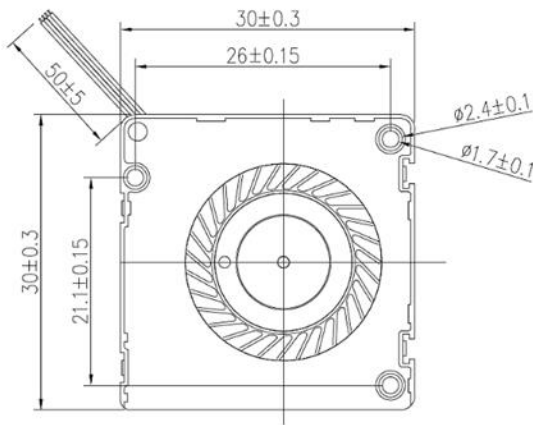
DB03003

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0300305H1A-BTC	30*30*3.2	ULTRA THIN DC BLOWER 30X30X3.2MM 5V .69CFM PWM	5	0.70	8.37	34.1dB(A)	0.5	9500	4 Wire, PWM No Connector	5.1

Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 50±5 mm lead length

BLACK WIRE ----- (-)
 BLUE WIRE ----- (PWM)
 YELLOW WIRE ----- (FG)
 RED WIRE ----- (+)



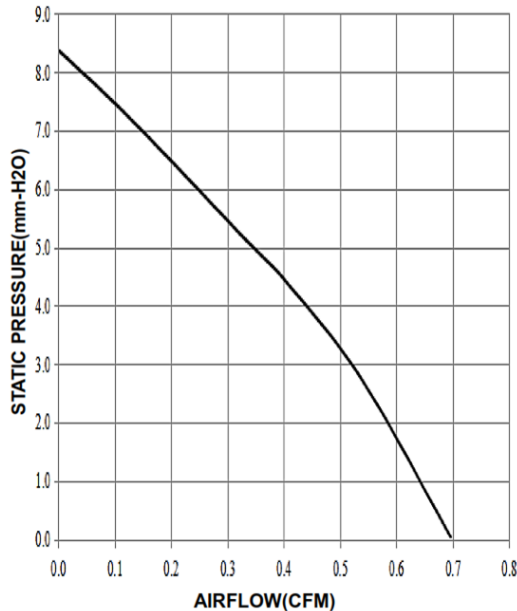
FEATURES

☒ FG SIGNAL	☐ IP-55 RATED
☐ RD SIGNAL	☐ HIGH TEMP RATED
☒ PWM	

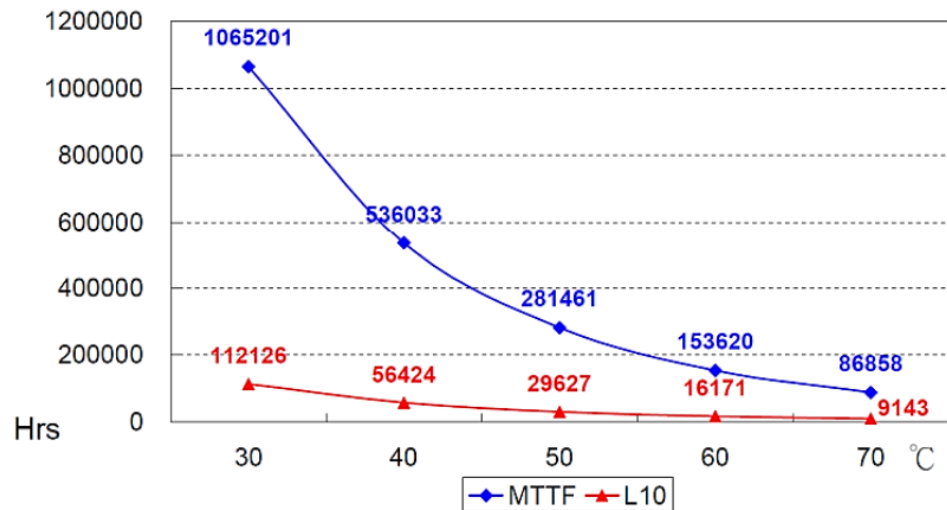
DIMENSIONS

DIMENSIONS	: 30 X 30 X 3.2 mm
BEARING TYPE	: AFB
MOTOR PROTECTION	: BY IC
RATED VOLTAGE	: 5.0 VDC
OPERATING VOLTAGE RANGE	: 3.5 ~ 5.5 VDC
START-UP VOLTAGE	: 3.5 VDC , POWER ON/OFF
REAL CURRENT	: 0.10 Amp
REAL POWER	: 0.50 Watt
RATED CURRENT	: 0.30 Amp +10% MAX (Duty cycle 100%)
RATED POWER	: 1.50 Watt (Duty cycle 100%)
RATED SPEED	: 9500 RPM ± 15 % (Duty cycle 100%)
(IN FREE AIR AT RATED VOLTAGE)	
AIR FLOW	: 0.696 CFM (min. 0.591 CFM)
AIR FLOW	: 0.019 CMM (min. 0.016 CMM)
(IN FREE AIR AT RATED VOLTAGE)	
STATIC AIR PRESSURE	: 0.329 InH ₂ O (min. 0.237 InH ₂ O)
STATIC AIR PRESSURE	: 8.37 mmH ₂ O (min. 6.047 mmH ₂ O)
(IN FREE AIR AT RATED VOLTAGE)	
NOISE LEVEL (0.3M)	: 34.1 dB(A) (MAX.: 37.1 dB(A))
LIFE EXPECTANCY	: 50000 Hours at 40°C / 65% RH
NET WEIGHT	: 5.1 Gram

Fan Performance Curve



MTTF & L10 Curve



DB03004

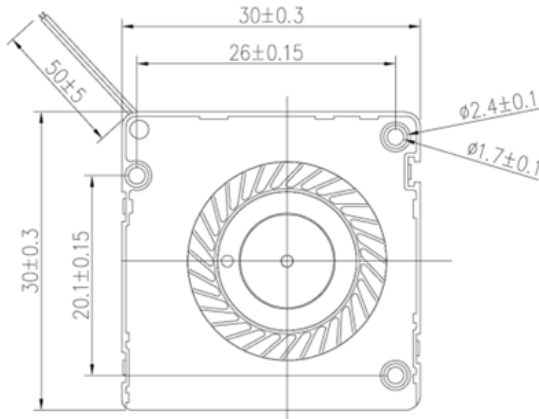
WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0300405H1A-2TC	30*30*4.0	ULTRA THIN DC BLOWER 30X30X4MM 5V .76CFM	5	0.76	8.80	31.3dB(A)	0.5	9500	2 Wire, No Connector	5

Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 50±5 mm lead length

RED WIRE ----- (+)

BLACK WIRE ----- (-)



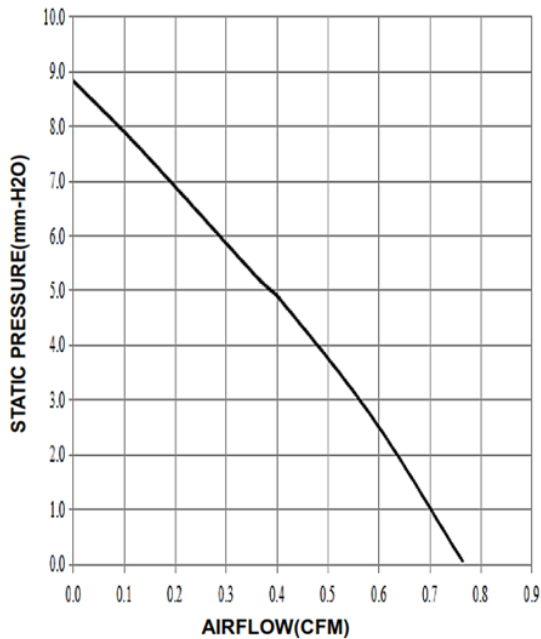
FEATURES

☐ FG SIGNAL	☐ IP-55 RATED
☐ RD SIGNAL	☐ HIGH TEMP RATED
☐ PWM	

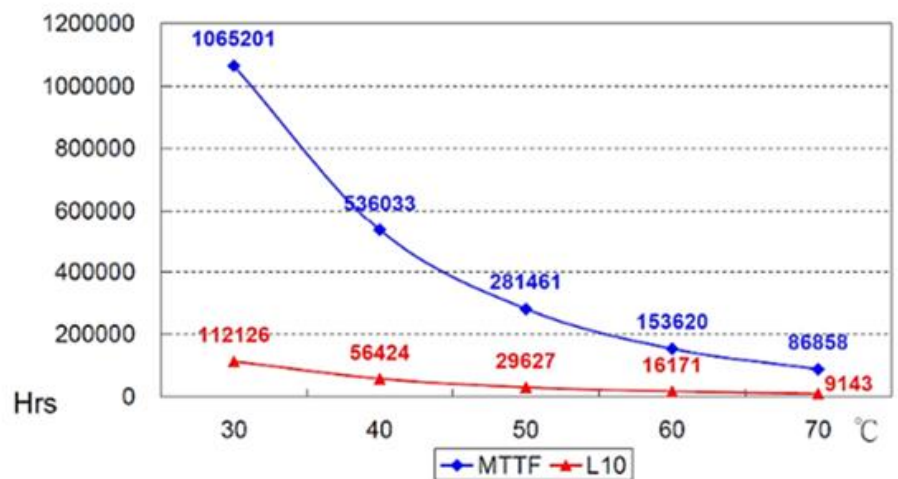
DIMENSIONS

DIMENSIONS	: 30 X 30 X 4 mm
BEARING TYPE	: AFB
MOTOR PROTECTION	: BY IC
RATED VOLTAGE	: 5.0 VDC
OPERATING VOLTAGE RANGE	: 3.5 ~ 5.5 VDC
START-UP VOLTAGE	: 3.5 VDC , POWER ON/OFF
REAL CURRENT	: 0.10 Amp
REAL POWER	: 0.50 Watt
RATED CURRENT	: 0.30 Amp +10% MAX
RATED POWER	: 1.50 Watt
RATED SPEED	: 9500 RPM ± 15 %
	(IN FREE AIR AT RATED VOLTAGE)
AIR FLOW	: 0.760 CFM (min. 0.646 CFM)
AIR FLOW	: 0.021 CMM (min. 0.017 CMM)
	(IN FREE AIR AT RATED VOLTAGE)
STATIC AIR PRESSURE	: 0.346 InH ₂ O (min. 0.249 InH ₂ O)
STATIC AIR PRESSURE	: 8.80 mmH ₂ O (min. 6.358 mmH ₂ O)
	(IN FREE AIR AT RATED VOLTAGE)
NOISE LEVEL (0.3M)	: 31.3 dB(A) (MAX.: 34.3 dB(A))
LIFE EXPECTANCY	: 50000 Hours at 40°C / 65% RH
NET WEIGHT	: 5 Gram

Fan Performance Curve



MTTF & L10 Curve



DB03010

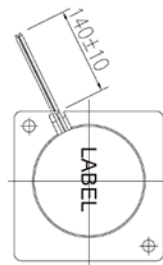
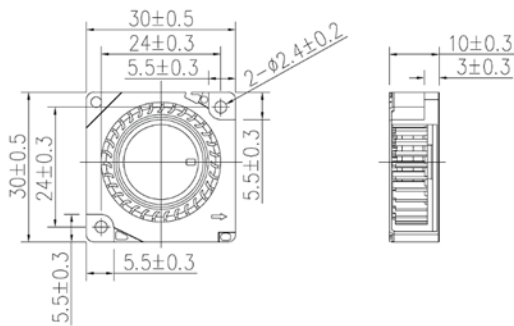
WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0301005H1A-2TC	30*30*10	ULTRA THIN DC BLOWER 30X30X10MM 5V 1.09CFM	5	1.09	5.61	28dB(A)	1.1	7000	2 Wire, No Connector	8.4

Description: DC Fan with :

Lead Wire: UL3302 , AWG#30 , 140±10 mm lead length

RED WIRE ----- (+)

BLACK WIRE ----- (-)



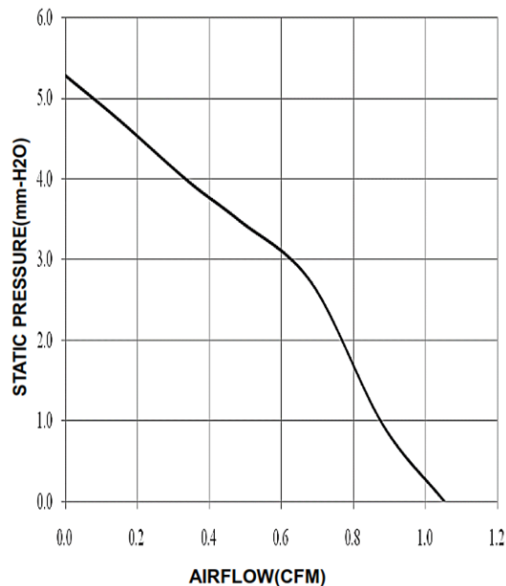
FEATURES

☐ FG SIGNAL	☐ IP-55 RATED
☐ RD SIGNAL	☐ HIGH TEMP RATED
☐ PWM	

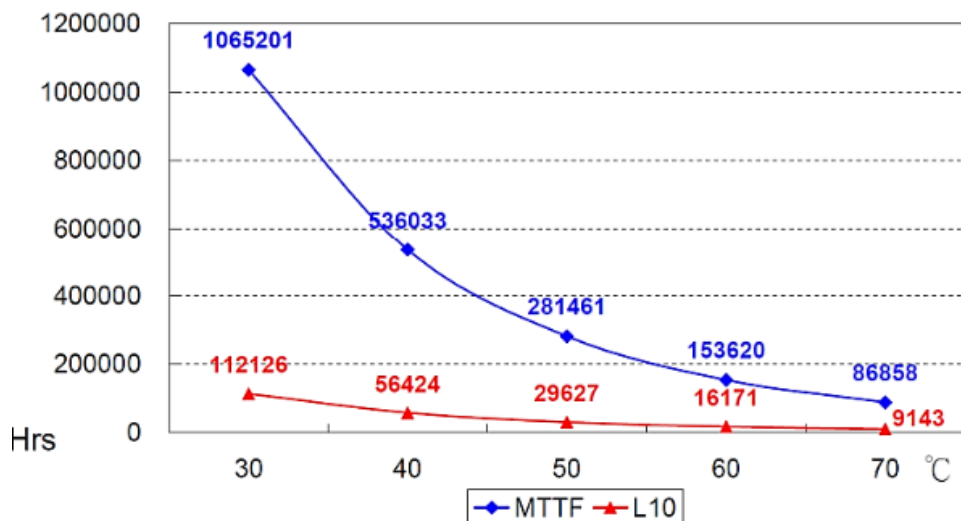
DIMENSIONS

DIMENSIONS	: 30 X 30 X 10 mm
BEARING TYPE	: AFB
MOTOR PROTECTION	: BY IC
RATED VOLTAGE	: 5.0 VDC
OPERATING VOLTAGE RANGE	: 3.5 ~ 5.5 VDC
START-UP VOLTAGE	: 3.5 VDC , POWER ON/OFF
REAL CURRENT	: 0.21 Amp
REAL POWER	: 1.10 Watt
RATED CURRENT	: 0.25 Amp +10% MAX
RATED POWER	: 1.30 Watt
RATED SPEED	: 7000 RPM ± 15 %
	(IN FREE AIR AT RATED VOLTAGE)
AIR FLOW	: 1.09 CFM (min. 0.926 CFM)
AIR FLOW	: 0.030 CMM (min. 0.025 CMM)
	(IN FREE AIR AT RATED VOLTAGE)
STATIC AIR PRESSURE	: 0.220 InH ₂ O (min. 0.158 InH ₂ O)
STATIC AIR PRESSURE	: 5.61 mmH ₂ O (min. 4.053 mmH ₂ O)
	(IN FREE AIR AT RATED VOLTAGE)
NOISE LEVEL	: 28.0 dB(A) (MAX.: 31.0 dB(A))
LIFE EXPECTANCY	: 50000 Hours at 40°C / 65% RH
NET WEIGHT	: 8.4 Gram

Fan Performance Curve



MTTF & L10 Curve



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0550505H1A-2TQ	55*50*5.25	ULTRA THIN DC BLOWER 55X55X5.25MM 5V 1.27CFM	5	1.27	3.79	21.2dB(A)	0.7	3100	2 Wire, No Connector	17

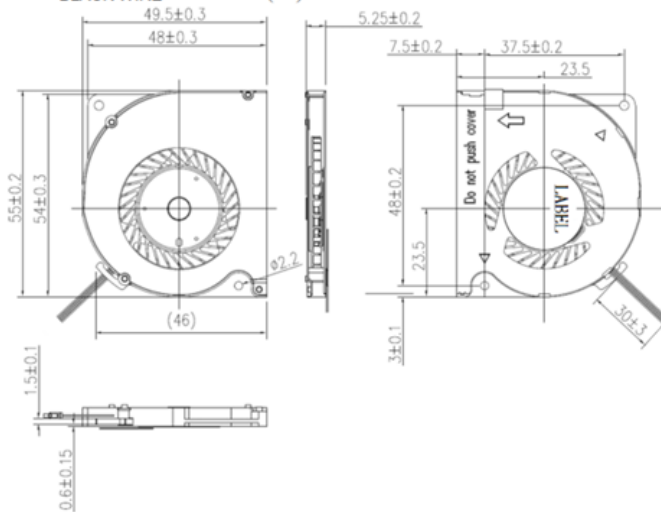
FEATURES

☐ FG SIGNAL	☐ IP-55 RATED
☐ RD SIGNAL	☐ HIGH TEMP RATED
☐ PWM	

Description: DC Fan with :

Lead Wire: UL3302 , AWG#30 , 30±3 mm lead length

RED WIRE (+)
BLACK WIRE (-)



DIMENSIONS

BEARING TYPE

MOTOR PROTECTION

RATED VOLTAGE

OPERATING VOLTAGE RANGE

START-UP VOLTAGE

REAL CURRENT

REAL POWER

RATED CURRENT

RATED POWER

RATED SPEED

: 55 X 50 X 5.25 mm
: AFB
: BY IC
: 5.0 VDC
: 3.5 ~ 6.0 VDC
: 3.5 VDC , POWER ON/OFF
: 0.12 Amp
: 0.70 Watt
: 0.40 Amp +10% MAX
: 2.00 Watt
: 3100 RPM ± 15 %
(IN FREE AIR AT RATED VOLTAGE)
: 1.27 CFM (min.: 1.079 CFM)
: 0.035 CMM (min.: 0.029 CMM)
(IN FREE AIR AT RATED VOLTAGE)
: 0.149 InH ₂ O (min.: 0.107 InH ₂ O)
: 3.79 mmH ₂ O (min.: 2.738 mmH ₂ O)
(IN FREE AIR AT RATED VOLTAGE)
: 21.2 dB(A) (MAX.: 24.2 dB(A))
: 50000 Hours at 40°C / 65% RH
: 17 Gram

AIR FLOW

AIR FLOW

STATIC AIR PRESSURE

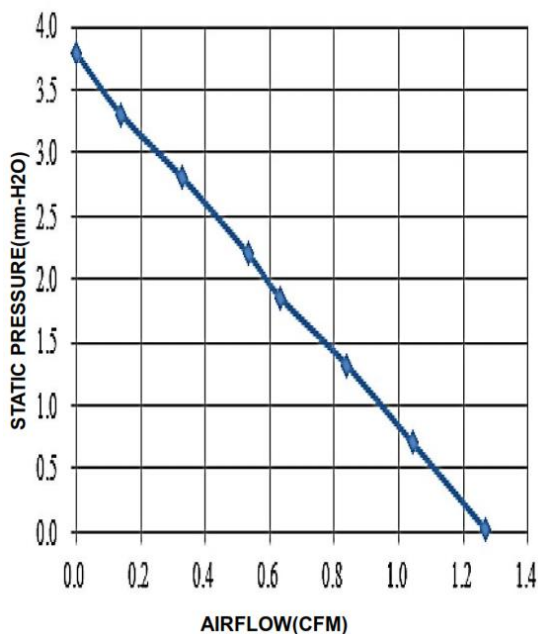
STATIC AIR PRESSURE

NOISE LEVEL (0.5M)

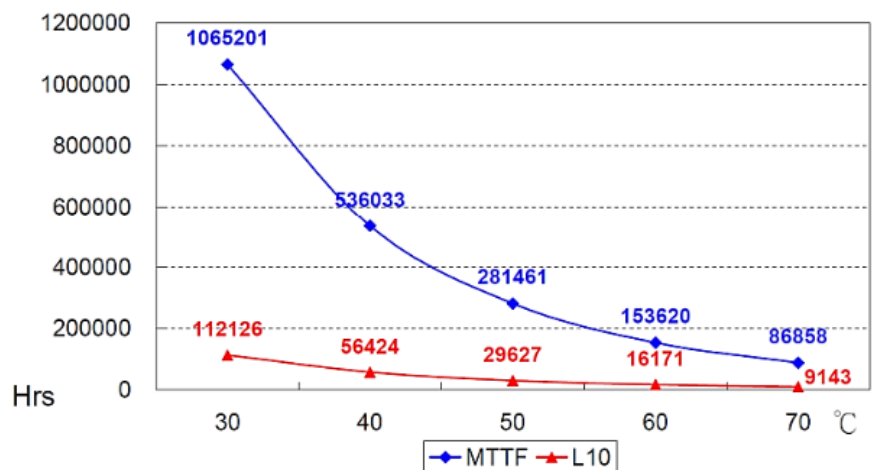
LIFE EXPECTANCY

NET WEIGHT

Fan Performance Curve



MTTF & L10 Curve



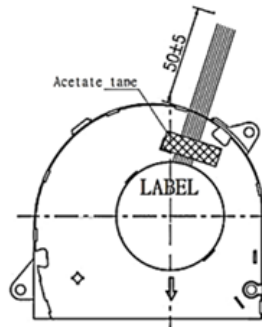
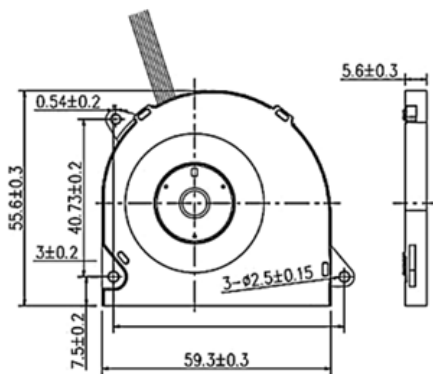
DB05905

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0590505H1A-BTQ	59.3*55.6*5.6	ULTRA THIN DC BLOWER 59.3X55.6X5.6MM 5V 3.25CFM	5	3.25	17.08	41.1dB(A)	1.9	6700	4 Wire, PWM No Connector	20

Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 50±5 mm lead length

RED WIRE ----- (+)
YELLOW WIRE ----- (FG)
BLUE WIRE ----- (PWM)
BLACK WIRE ----- (-)



FEATURES

☒ FG SIGNAL	☐ IP-55 RATED
☐ RD SIGNAL	☐ HIGH TEMP RATED
☒ PWM	

DIMENSIONS

BEARING TYPE

MOTOR PROTECTION

RATED VOLTAGE

OPERATING VOLTAGE RANGE

START-UP VOLTAGE

REAL CURRENT

REAL POWER

RATED CURRENT

RATED POWER

RATED SPEED

AIR FLOW

AIR FLOW

STATIC AIR PRESSURE

STATIC AIR PRESSURE

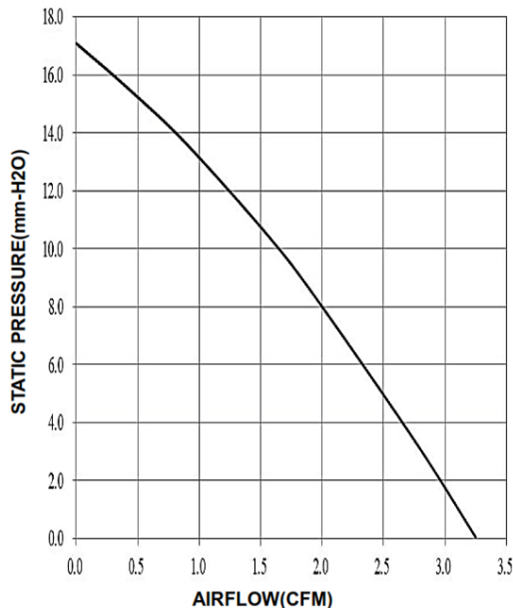
NOISE LEVEL (0.5M)

LIFE EXPECTANCY

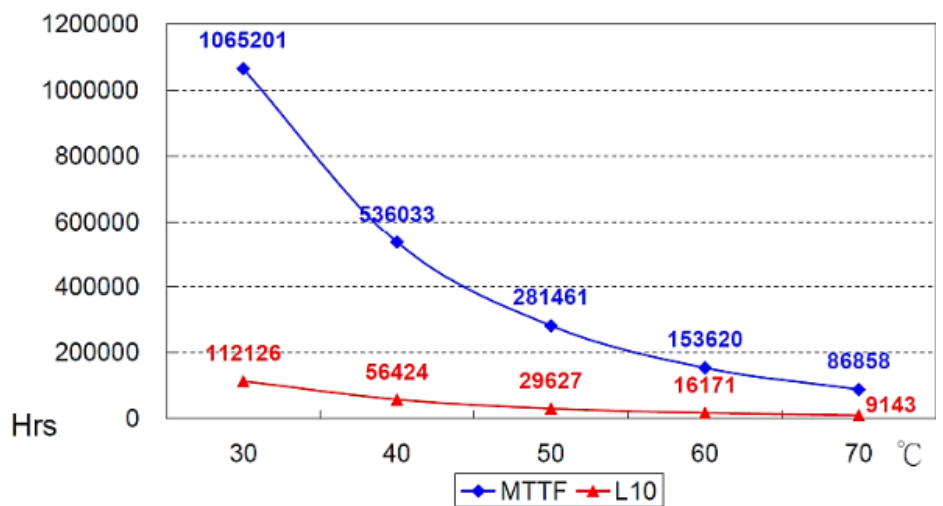
NET WEIGHT

: 59.3 X 55.6 X 5.6 mm
: AFB
: BY IC
: 5.0 VDC
: 3.5 ~ 5.5 VDC
: 3.5 VDC , POWER ON/OFF
: 0.38 Amp
: 1.90 Watt
: 0.40 Amp +10% MAX (Duty cycle 100%)
: 2.00 Watt (Duty cycle 100%)
: 6700 RPM ± 10 % (Duty cycle 100%)
(IN FREE AIR AT RATED VOLTAGE)
: 3.25 CFM (min. 2.925 CFM)
: 0.091 CMM (min. 0.081 CMM)
(IN FREE AIR AT RATED VOLTAGE)
: 0.672 InH ₂ O (min. 0.544 InH ₂ O)
: 17.08 mmH ₂ O (min. 13.834 mmH ₂ O)
(IN FREE AIR AT RATED VOLTAGE)
: 41.1 dB(A) (MAX.: 44.1 dB(A))
: 50000 Hours at 40°C / 65% RH
: 20 Gram

Fan Performance Curve



MTTF & L10 Curve



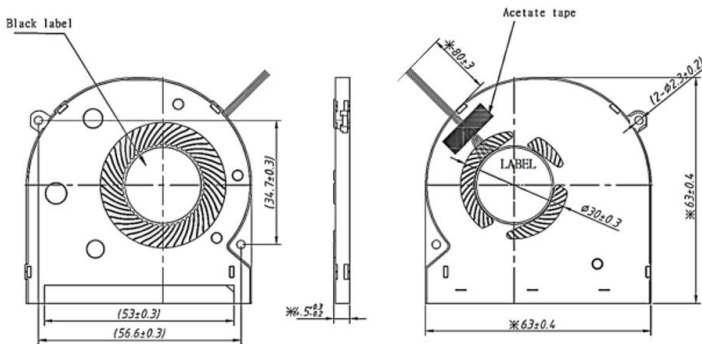
DB06304

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0630405H1A-BTQ	63*63*4	ULTRA THIN DC BLOWER 63X63X4MM 5V 2.15CFM	5	2.15	12.84	35.4dB(A)	1.75	5700	4 Wire, PWM No Connector	26

Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 80±3 mm lead length

RED WIRE (+)
 BLUE WIRE (FG)
 BLACK WIRE (-)
 WHITE WIRE (PWM)



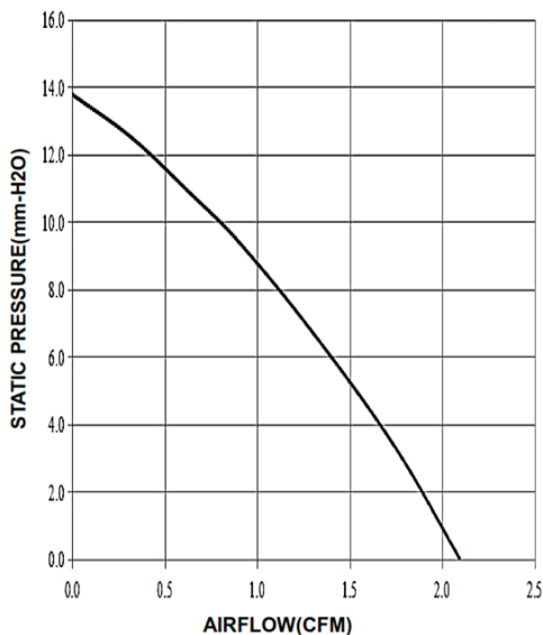
FEATURES

V	FG SIGNAL	IP-55 RATED
V	RD SIGNAL	HIGH TEMP RATED
V	PWM	

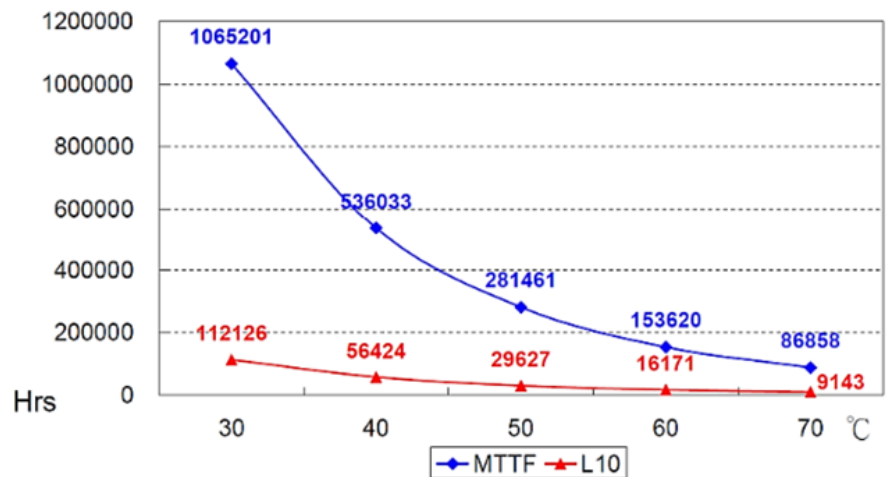
DIMENSIONS

BEARING TYPE	: AFB
MOTOR PROTECTION	: BY IC
RATED VOLTAGE	: 5.0 VDC
OPERATING VOLTAGE RANGE	: 3.5 ~ 5.5 VDC
START-UP VOLTAGE	: 3.5 VDC , POWER ON/OFF
REAL CURRENT	: 0.40 Amp
REAL POWER	: 1.75 Watt
RATED CURRENT	: 0.50 Amp +10% MAX (Duty cycle 100%)
RATED POWER	: 2.50 Watt (Duty cycle 100%)
RATED SPEED	: 5700 RPM ± 10 % (Duty cycle 100%)
	(IN FREE AIR AT RATED VOLTAGE)
AIR FLOW	: 2.15 CFM (min. 1.935 CFM)
AIR FLOW	: 0.060 CMM (min. 0.054 CMM)
	(IN FREE AIR AT RATED VOLTAGE)
STATIC AIR PRESSURE	: 0.505 InH ₂ O (min. 0.409 InH ₂ O)
STATIC AIR PRESSURE	: 12.84 mmH ₂ O (min. 10.40 mmH ₂ O)
	(IN FREE AIR AT RATED VOLTAGE)
NOISE LEVEL (0.5M)	: 35.4 dB(A) (MAX.: 38.4 dB(A))
LIFE EXPECTANCY	: 50000 Hours at 40°C / 65% RH
NET WEIGHT	: 26 Gram

Fan Performance Curve



MTTF & L10 Curve



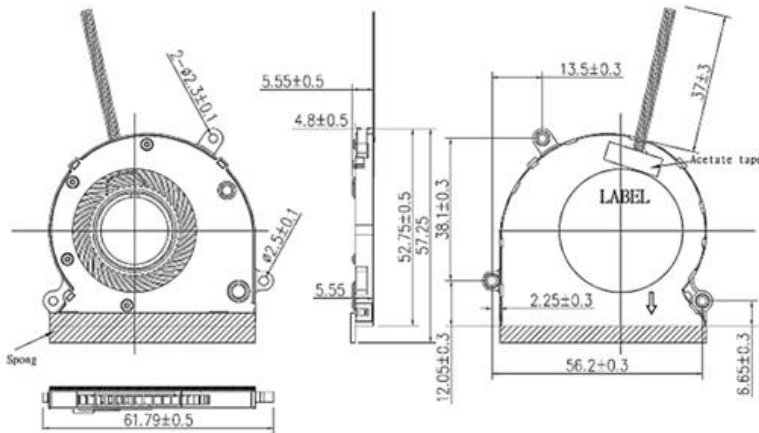
DB06205

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0620505H1A-BTQ	61.8*57.3*5.6	ULTRA THIN DC BLOWER 61.8X57.3X5.6MM 5V 2.68CFM	5	2.68	19.90	42.8dB(A)	1.9	7400	4 Wire, PWM No Connector	17

Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 37±3 mm lead length

RED WIRE ----- (+)
 YELLOW WIRE ----- (FG)
 BLUE WIRE ----- (PWM)
 BLACK WIRE ----- (-)



FEATURES

☒ V	FG SIGNAL	☐	IP-55 RATED
☐	RD SIGNAL	☐	HIGH TEMP RATED
☒ V	PWM	☐	

DIMENSIONS

BEARING TYPE

MOTOR PROTECTION

RATED VOLTAGE

OPERATING VOLTAGE RANGE

START-UP VOLTAGE

REAL CURRENT

REAL POWER

RATED CURRENT

RATED POWER

RATED SPEED

AIR FLOW

AIR FLOW

STATIC AIR PRESSURE

STATIC AIR PRESSURE

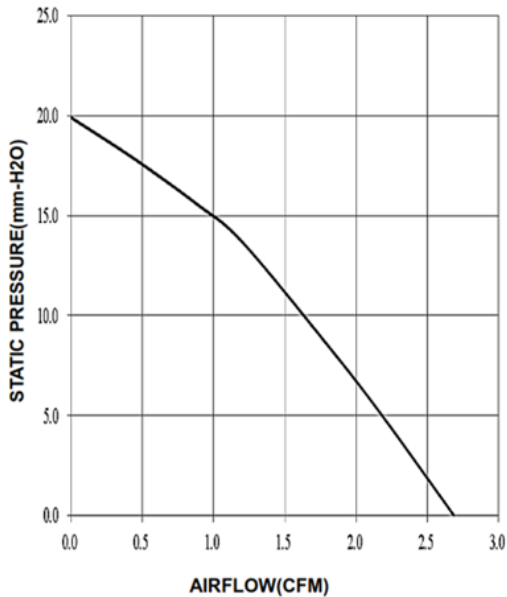
NOISE LEVEL (0.5M)

LIFE EXPECTANCY

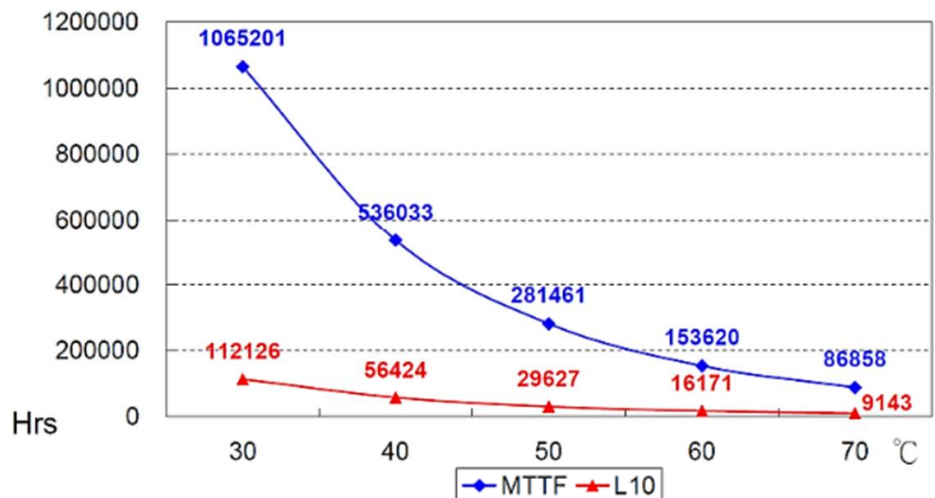
NET WEIGHT

:	61.8	X	57.3	X	5.6	mm
:	AFB					
:	BY		IC			
:	5.0		VDC			
:	3.5	~	5.5	VDC		
:	3.5		VDC		POWER ON/OFF	
:	0.38		Amp			
:	1.90		Watt			
:	0.50		Amp +10% MAX		(Duty cycle 100%)	
:	2.50		Watt		(Duty cycle 100%)	
:	7400		RPM	± 10 %	(Duty cycle 100%)	
	(IN FREE AIR AT RATED VOLTAGE)					
:	2.68		CFM	(min. 2.412	CFM)	
:	0.075		CMM	(min. 0.067	CMM)	
	(IN FREE AIR AT RATED VOLTAGE)					
:	0.783		InH ₂ O	(min. 0.634	InH ₂ O)	
:	19.90		mmH ₂ O	(min. 16.119	mmH ₂ O)	
	(IN FREE AIR AT RATED VOLTAGE)					
:	42.8		dB(A)	(MAX.: 45.8	dB(A))	
:	50000		Hours	at 40°C / 65% RH		
:	17		Gram			

Fan Performance Curve



MTTF & L10 Curve

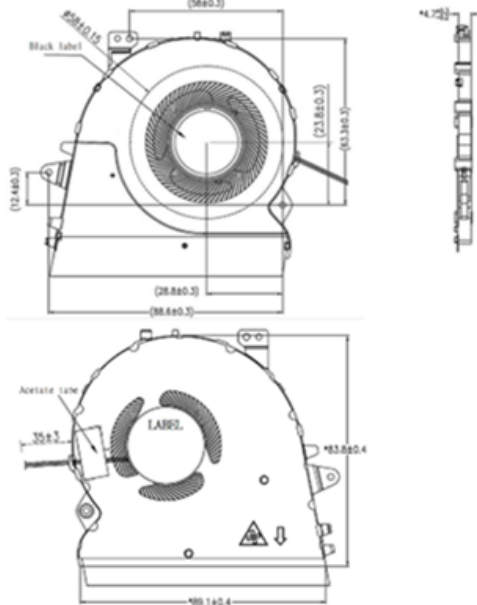


DB08904

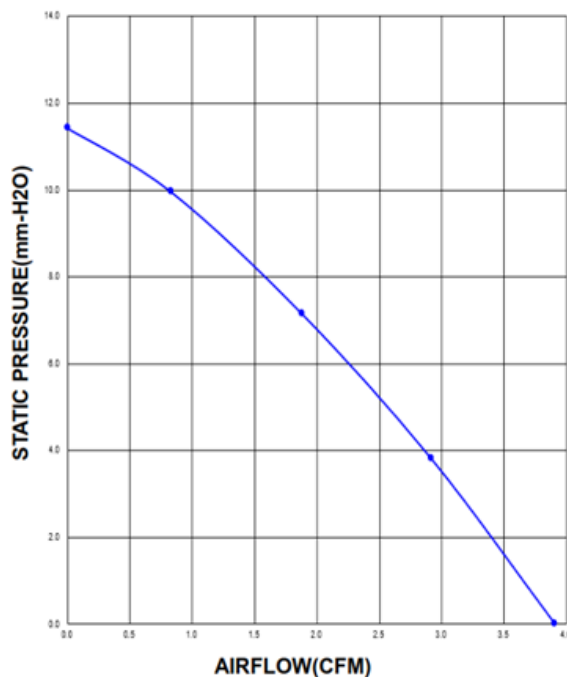
WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0890405H1A-BTC	89.1*83.8*4.7	ULTRA THIN DC BLOWER 89.1X83.8X4.7MM 5V 3.91CFM	5	3.91	11.40	38.5dB(A)	1.5	3400	4 Wire, PWM No Connector	38

Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 35±3 mm lead length
 BLACK WIRE (-)
 YELLOW WIRE (FG)
 BLUE WIRE (PWM)
 RED WIRE (+)



Fan Performance Curve



FEATURES

☒ FG SIGNAL	☐ IP-55 RATED
☐ RD SIGNAL	☐ HIGH TEMP RATED
☒ PWM	

DIMENSIONS

BEARING TYPE

: FDB

MOTOR PROTECTION

: BY IC

RATED VOLTAGE

: 5.0 VDC

START-UP DUTY

: 20% , AT RATED VOLTAGE

REAL CURRENT

: 0.30 Amp

REAL POWER

: 1.50 Watt

RATED CURRENT

: 0.45 Amp +10% MAX (Duty cycle 100%)

RATED POWER

: 2.25 Watt (Duty cycle 100%)

RATED SPEED

: 3400 RPM ± 10 % (Duty cycle 100%)

(IN FREE AIR AT RATED VOLTAGE)

AIR FLOW

: 3.91 CFM (min 3.519 CFM)

AIR FLOW

: 0.110 CMM (min 0.099 CMM)

(IN FREE AIR AT RATED VOLTAGE)

STATIC AIR PRESSURE

: 0.448 InH₂O (min 0.362 InH₂O)

STATIC AIR PRESSURE

: 11.4 mmH₂O (min 9.234 mmH₂O)

(IN FREE AIR AT RATED VOLTAGE)

NOISE LEVEL

: 38.5 dB(A) (MAX.: 41.5 dB(A))

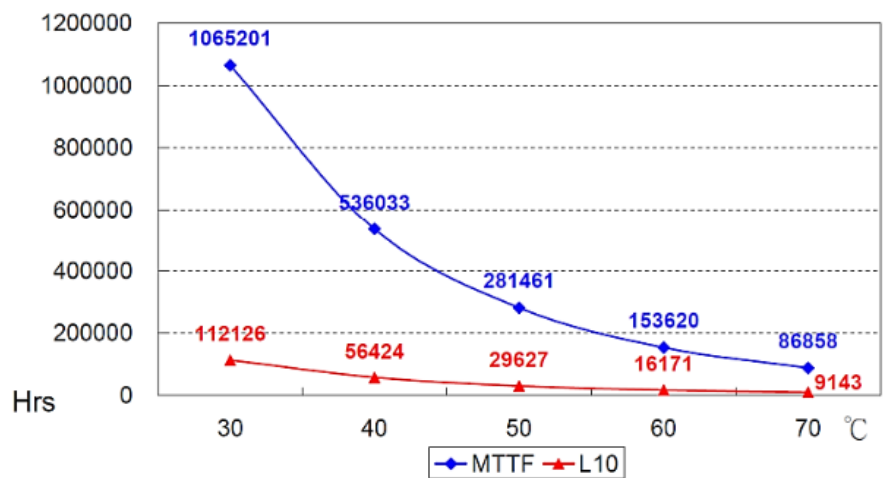
LIFE EXPECTANCY

: 50000 Hours at 40°C / 65% RH

NET WEIGHT

: 38 Gram

MTTF & L10 Curve



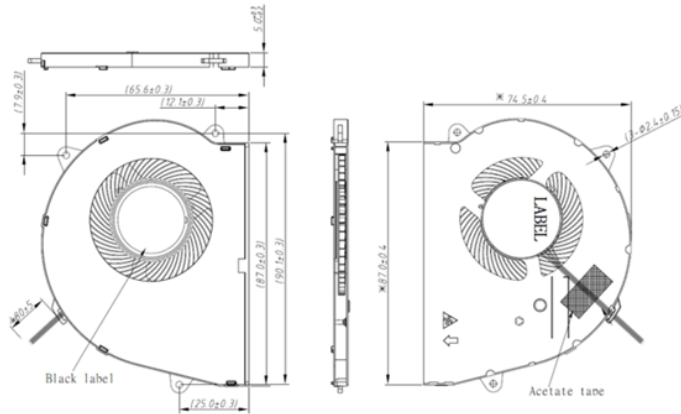
DB08705

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0870505H1A-BTQ	87*74.5*5	ULTRA THIN DC BLOWER 87X74.5X5MM 5V 4.63CFM	5	4.63	14.52	40.9dB(A)	2.25	4500	4 Wire, PWM No Connector	41

Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 80±5 mm lead length

RED WIRE ----- (+)
 BLUE WIRE ----- (PWM)
 BLACK WIRE ----- (-)
 WHITE WIRE ----- (FG)



FEATURES

V	FG SIGNAL	IP-55 RATED
V	RD SIGNAL	HIGH TEMP RATED
V	PWM	

DIMENSIONS

: 87 X 75 X 5 mm

BEARING TYPE

: AFB

MOTOR PROTECTION

: BY IC

RATED VOLTAGE

: 5.0 VDC

OPERATING VOLTAGE RANGE

: 2.5 ~ 5.5 VDC

START-UP VOLTAGE

: 2.5 VDC , POWER ON/OFF

REAL CURRENT

: 0.45 Amp

REAL POWER

: 2.25 Watt

RATED CURRENT

: 0.50 Amp +10% MAX (Duty cycle 100%)

RATED POWER

: 2.50 Watt (Duty cycle 100%)

RATED SPEED

: 4500 RPM ± 15 % (Duty cycle 100%)

(IN FREE AIR AT RATED VOLTAGE)

AIR FLOW

: 4.63 CFM (min. 3.935 CFM)

AIR FLOW

: 0.131 CMM (min. 0.111 CMM)

(IN FREE AIR AT RATED VOLTAGE)

STATIC AIR PRESSURE

: 0.571 InH₂O (min. 0.412 InH₂O)

STATIC AIR PRESSURE

: 14.52 mmH₂O (min. 10.49 mmH₂O)

(IN FREE AIR AT RATED VOLTAGE)

NOISE LEVEL (0.5M)

: 40.9 dB(A) (MAX.: 43.9 dB(A))

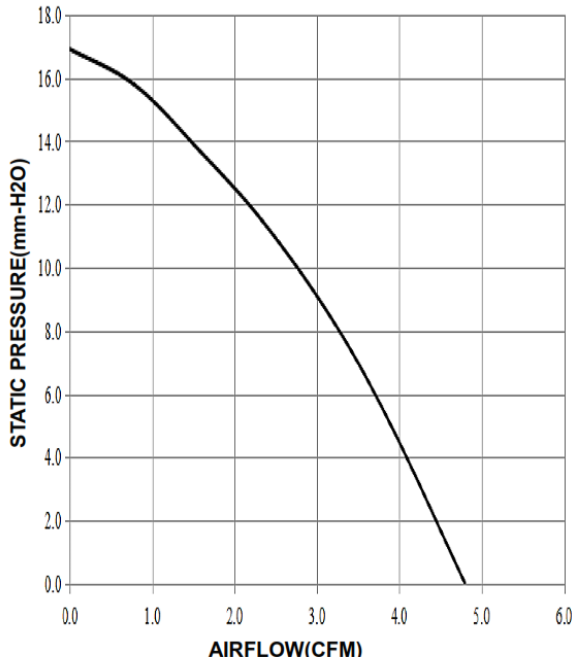
LIFE EXPECTANCY

: 50000 Hours at 40°C / 65% RH

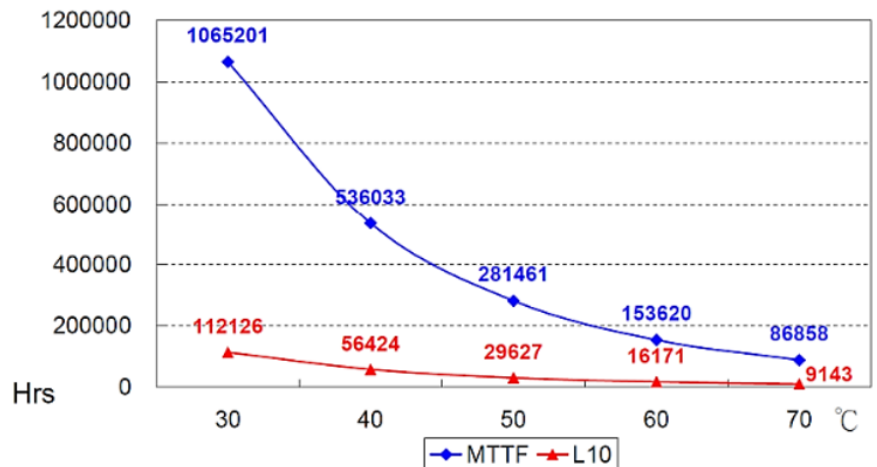
NET WEIGHT

: 41 Gram

Fan Performance Curve



MTTF & L10 Curve



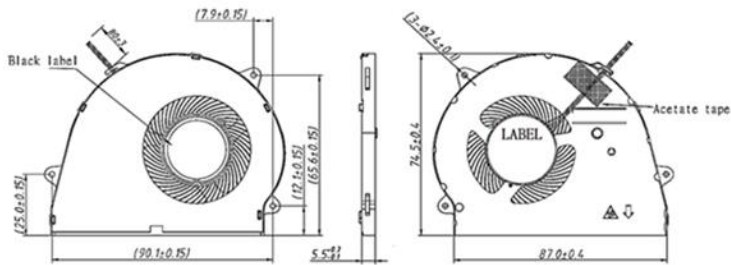
DB09006

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB0870605H1A-BTQ	87*74.5*5.5	ULTRA THIN DC BLOWER 87X74.5X5.52MM 12V 5.70CFM	5	5.70	15.87	41.85dB(A)	2.25	4600	4 Wire, PWM No Connector	46

Description: DC Fan with :

Lead Wire: UL3302 , AWG#32 , 80±3 mm lead length

RED WIRE..... (+)
 BLUE WIRE..... (PWM)
 BLACK WIRE..... (-)
 WHITE WIRE..... (FG)



FEATURES

☒ V	FG SIGNAL	☐	IP-55 RATED
☐	RD SIGNAL	☐	HIGH TEMP RATED
☒ V	PWM		

DIMENSIONS

: 87 X 74 X 5.5 mm

BEARING TYPE

: AFB

MOTOR PROTECTION

: BY IC

RATED VOLTAGE

: 5.0 VDC

OPERATING VOLTAGE RANGE

: 3.5 ~ 5.5 VDC

START-UP VOLTAGE

: 3.5 VDC , POWER ON/OFF

REAL CURRENT

: 0.50 Amp

REAL POWER

: 2.50 Watt

RATED CURRENT

: 0.50 Amp +10% MAX (Duty cycle 100%)

RATED POWER

: 2.50 Watt (Duty cycle 100%)

RATED SPEED

: 4600 RPM ± 15 % (Duty cycle 100%)

AIR FLOW

: 5.70 CFM (min. 4.845 CFM)

AIR FLOW

: 0.161 CMM (min. 0.136 CMM)

STATIC AIR PRESSURE

: 0.624 InH₂O (min. 0.450 InH₂O)

STATIC AIR PRESSURE

: 15.87 mmH₂O (min. 11.466 mmH₂O)

NOISE LEVEL (0.5M)

: 41.85 dB(A) (MAX.: 44.85 dB(A))

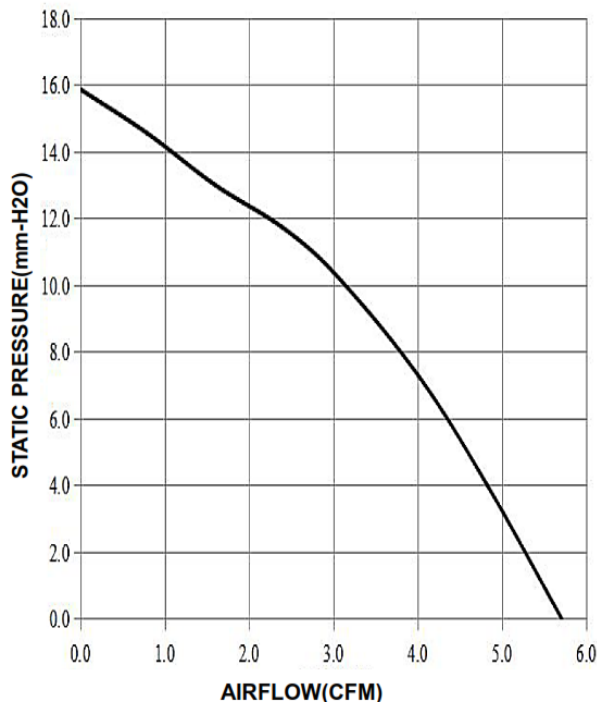
LIFE EXPECTANCY

: 50000 Hours at 40°C / 65% RH

NET WEIGHT

: 46 Gram

Fan Performance Curve



MTTF & L10 Curve

