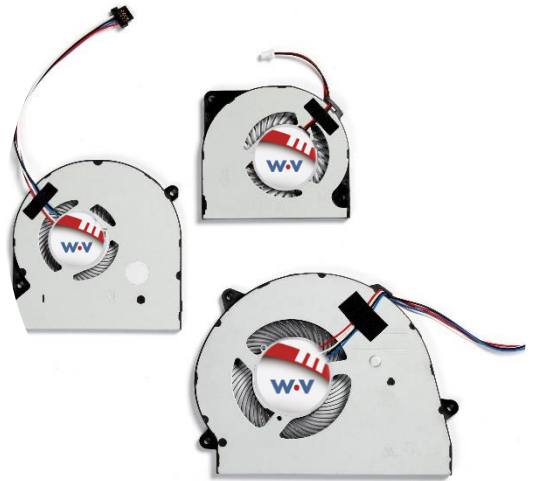


DC Slim-Line Blowers



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.

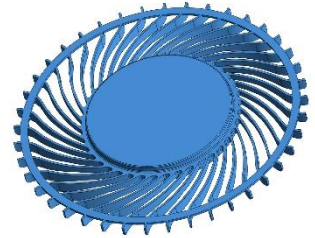
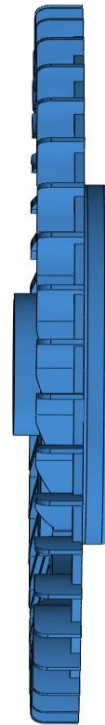
The Slim-Line Blower three-phase motor design provides exceptional balancing characteristics and low power consumption. Designed for tablets, notebooks, automotive, gaming monitors, all in one PC's, or any other low-profile application, these powerful, ultra-thin, direct-diverting blowers can be as thin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

Options:

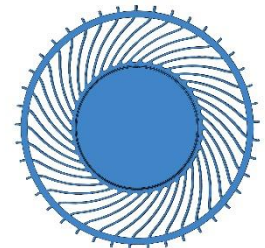
- IP-55 water protection rating
- Pulse width modulation control (PWM)
- Frequency generator output (FG signal/tach)
- Custom sizes and performances

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
- 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)	Width (mm)	Air Flow (CFM)	Static Pressure (mm)	Noise	Power (Watts)	RPM	Termination
DB170303H2B-3T0	17*17*3.2	ULTRA THIN DC BLOWER 17X17X3.2MM 3V .204CFM	3	17	0.204	3.78	26.6dB(A)	0.12	12000	3 Wire, No Connector
DB200303H2B-3T0	20*20*3.2	ULTRA THIN DC BLOWER 20X20X3.2MM 3V .34CFM	3	20	0.34	4.66	26.9dB(A)	0.24	11000	3 Wire, No Connector
DB251005H2B-BT0	25*25*10	ULTRA THIN DC BLOWER 25X25X10MM 5V 2.8CFM PWM	5	25	2.856	6.23	25.5dB(A)	0.9	13000	4 Wire, PWM No Connector
DB300305H2B-BT0	30*30*3.2	ULTRA THIN DC BLOWER 30X30X3.2MM 5V .69CFM PWM	5	30	0.696	8.37	34.1dB(A)	0.5	9500	4 Wire, PWM No Connector
DB300405H2B-2T0	30*30*4.0	ULTRA THIN DC BLOWER 30X30X4MM 5V .76CFM	5	30	0.76	6.358	31.3dB(A)	0.5	9500	2 Wire, No Connector
DB301005H2B-2T0	30*30*10	ULTRA THIN DC BLOWER 30X30X10MM 5V 1.09CFM	5	30	1.09	5.61	28dB(A)	1.1	7000	2 Wire, No Connector
DB550505H2B-2T0	55*50*5.25	ULTRA THIN DC BLOWER 55X55X5.25MM 5V 1.27CFM	5	55	1.27	3.79	21.2dB(A)	0.7	3100	2 Wire, No Connector
DB590505H2B-BT0	59.3*55.6*5.6	ULTRA THIN DC BLOWER 59.3X55.6X5.6MM 5V 3.25CFM	5	59.3	3.25	17.08	41.1dB(A)	1.9	6700	4 Wire, PWM No Connector
DB630405H2B-BT0	63*63*4	ULTRA THIN DC BLOWER 63X63X4MM 5V 2.15CFM	5	63	2.15	12.84	35.4dB(A)	1.75	5700	4 Wire, PWM No Connector
DB620505H2B-BT0	61.8*57.3*5.6	ULTRA THIN DC BLOWER 61.8X57.3X5.6MM 5V 2.68CFM	5	61.8	2.68	19.9	42.8dB(A)	1.9	7400	4 Wire, PWM No Connector
DB890405H2B-BT0	89.1*83.8*4.7	ULTRA THIN DC BLOWER 89.1X83.8X4.7MM 5V 3.91CFM	5	89.1	3.91	11.4	38.5dB(A)	1.5	3400	4 Wire, PWM No Connector
DB870505H2B-BT0	87*74.5*5	ULTRA THIN DC BLOWER 87X74.5X5MM 5V 4.63CFM	5	87	4.63	14.52	40.9dB(A)	2.25	4500	4 Wire, PWM No Connector
DB870605H2B-BT0	87*74.5*5.5	ULTRA THIN DC BLOWER 87X74.5X5.5MM 12V 5.70CFM	5	87	5.7	15.87	41.85dB(A)	2.25	4600	4 Wire, PWM No Connector

DC Slim-Line Blowers

DB170303H2B-3T0



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB170303H2B-3T0	17*17*3.2	ULTRA THIN DC BLOWER 17X17X3.2MM 3V .204CFM	3	17	0.204	26.6dB(A)	0.12	12000	3 Wire, No Connector	1.6

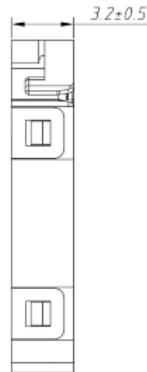
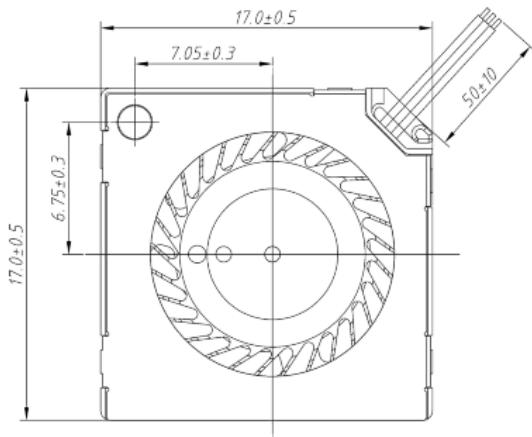
Description: DC Fan with :

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

: 17 X 17 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 : 0.04 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 InH₂O (min.: 0.106 InH₂O)

STATIC AIR PRESSURE : 3.78 mmH₂O (min.: 2.731 mmH₂O)

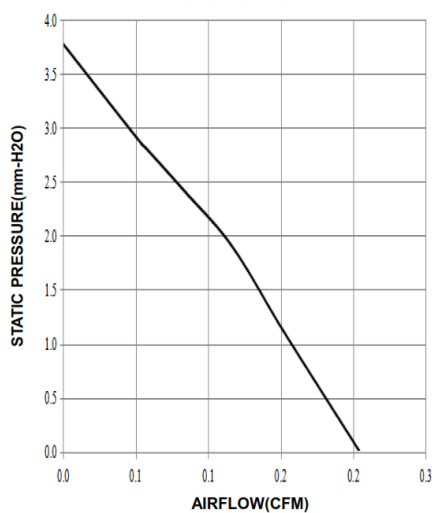
(IN FREE AIR AT RATED VOLTAGE)

NOISE LEVEL (0.3M) : 26.6 dB(A) (MAX.: 29.6 dB(A))

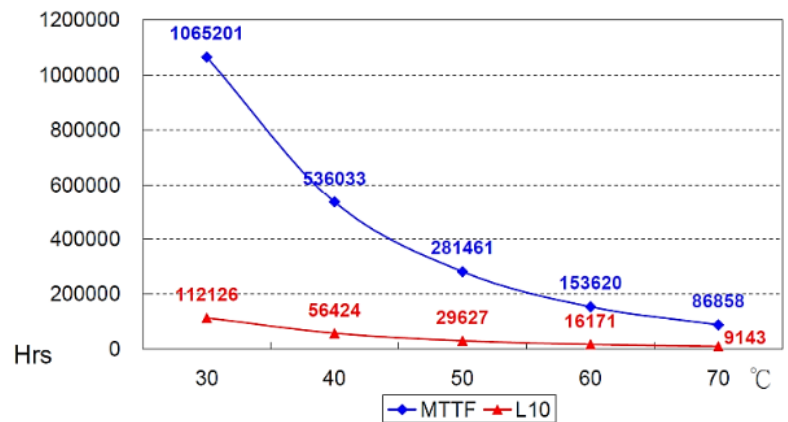
LIFE EXPECTANCY : 50000 Hours at 40°C / 65% RH

NET WEIGHT : 1.5 Gram

Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

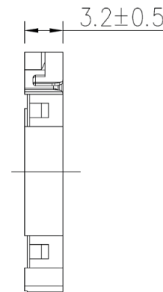
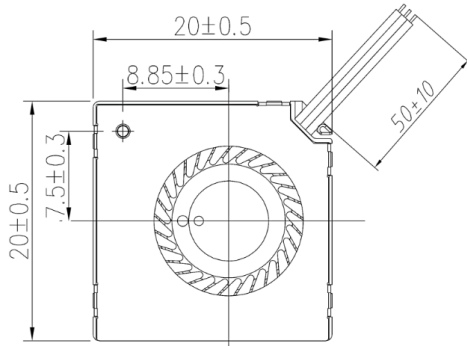
DB200303H2B-3T0



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB200303H2B-3T0	20*20*3.2	ULTRA THIN DC BLOWER 20X20X3.2MM 3V .34CFM	3	20	0.34	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)

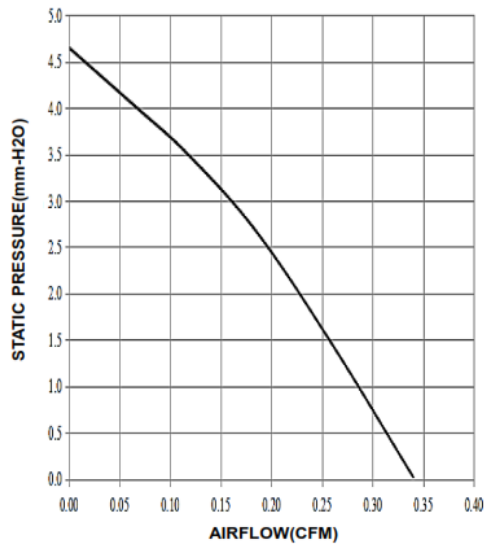


FEATURES

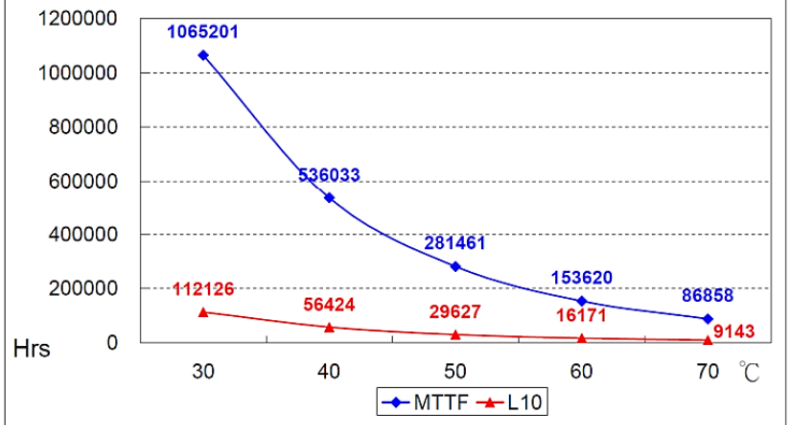
☒ V	FG SIGNAL	☐	IP-55 RATED
☐	RD SIGNAL	☐	HIGH TEMP RATED
☐	PWM		

DIMENSIONS	:	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

Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

DB251005H2B-BT0



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB251005H2B-BT0	25*25*10	ULTRA THIN DC BLOWER 25X25X10MM 5V 2.8CFM PWM	5	25	2.856	25.5dB(A)	0.9	13000	4 Wire, PWM No Connector	4.7

Description: DC Fan with :

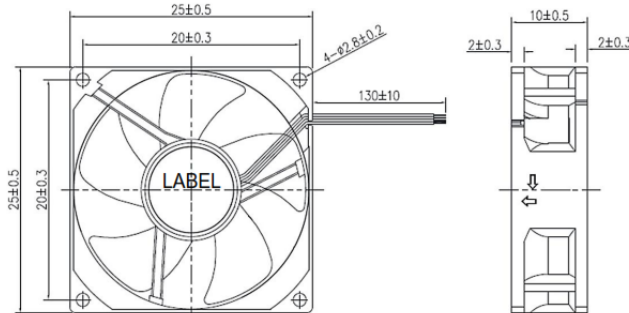
Lead Wire: UL3302 , AWG#32 , 130±10 mm lead length

RED WIRE ----- (+)

BLUE WIRE ----- (PWM)

BLACK WIRE ----- (-)

YELLOW WIRE ----- (FG)



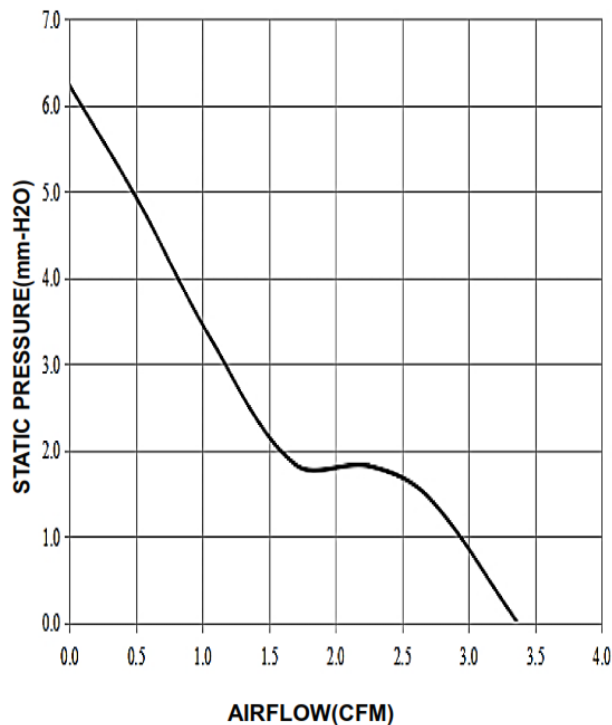
FEATURES

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

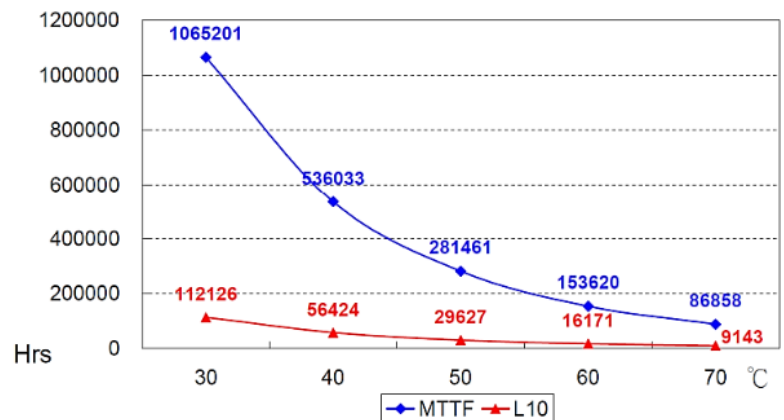
DIMENSIONS

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	: 0.12 Amp
REAL POWER	: 0.60 Watt
RATED CURRENT	: 0.18 Amp +10% MAX (Duty cycle 100%)
RATED POWER	: 0.90 Watt (Duty cycle 100%)
RATED SPEED	: 13000 RPM ± 15 % (Duty cycle 100%)
AIR FLOW	: 3.36 CFM (min. 2.856 CFM) (IN FREE AIR AT RATED VOLTAGE)
STATIC AIR PRESSURE	: 0.245 InH ₂ O (min. 0.177 InH ₂ O) (IN FREE AIR AT RATED VOLTAGE)
NOISE LEVEL	: 25.5 dB(A) (MAX.: 28.5 dB(A))
LIFE EXPECTANCY	: 50000 Hours at 40°C / 65% RH
NET WEIGHT	: 4.7 Gram

Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

DB300305H2B-BT0



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB300305H2B-BT0	30*30*3.2	ULTRA THIN DC BLOWER 30X30X3.2MM 5V .69CFM PWM	5	30	0.696	34.1dB(A)	0.5	9500	4 Wire, PWM No Connector	5.1

Description: DC Fan with :

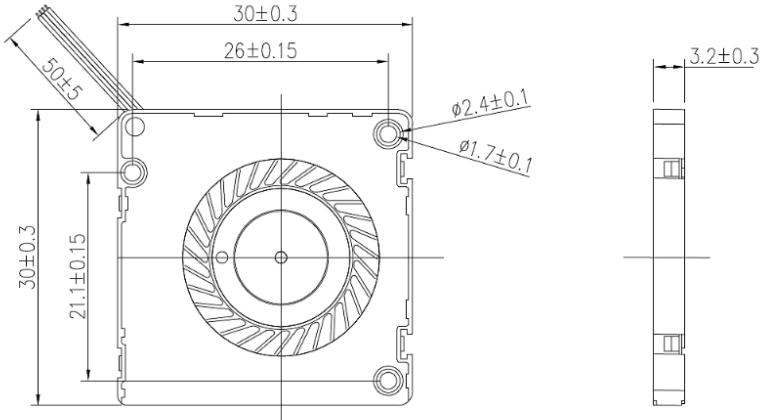
Lead Wire: UL3302 , AWG#32 , 50±5 mm lead length

BLACK WIRE ----- (-)

BLUE WIRE ----- (PWM)

YELLOW WIRE ----- (FG)

RED WIRE ----- (+)

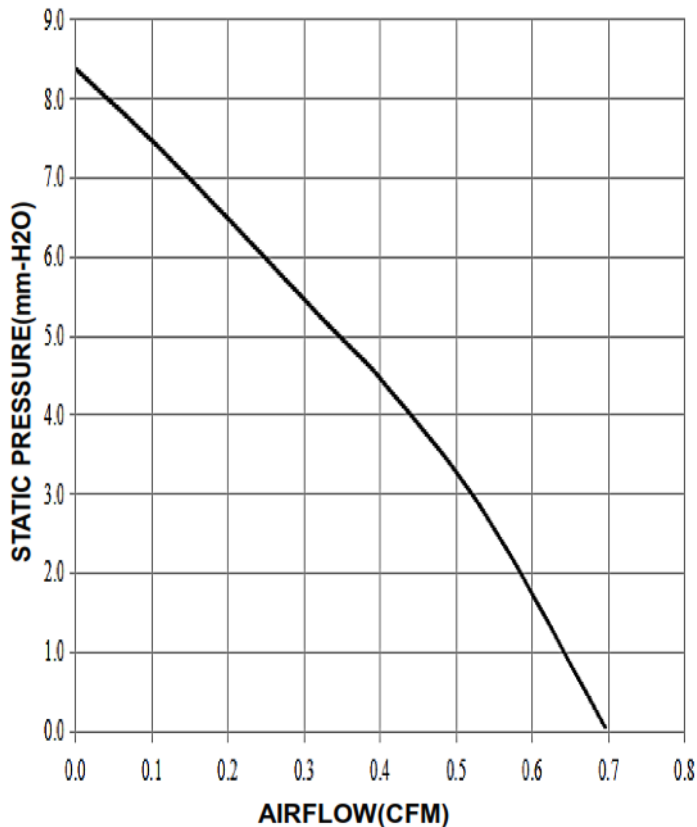


FEATURES

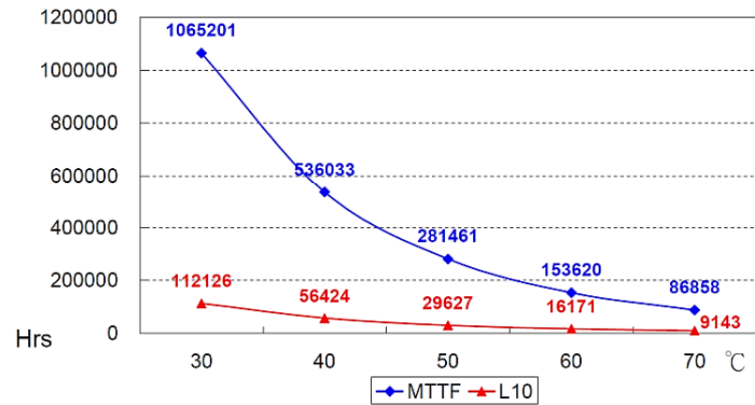
☒ V	FG SIGNAL	☐	IP-55 RATED
☐	RD SIGNAL	☐	HIGH TEMP RATED
☒ V	PWM		

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



DC Slim-Line Blowers

DB300405H2B-2T0

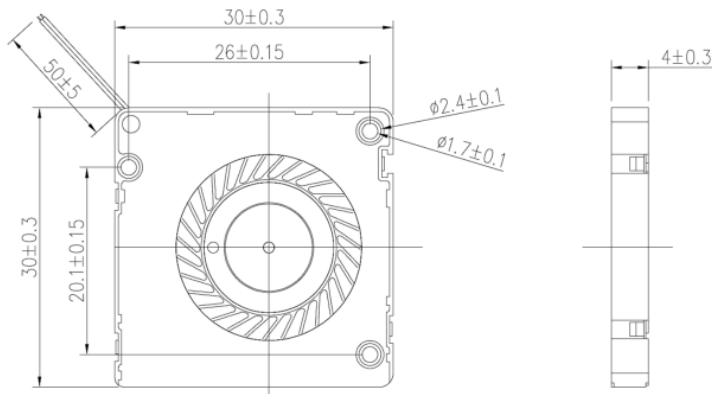
wakefield-vette

Description: DC Fan with :

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

RED WIRE ----- (+)

BLACK WIRE ----- (-)

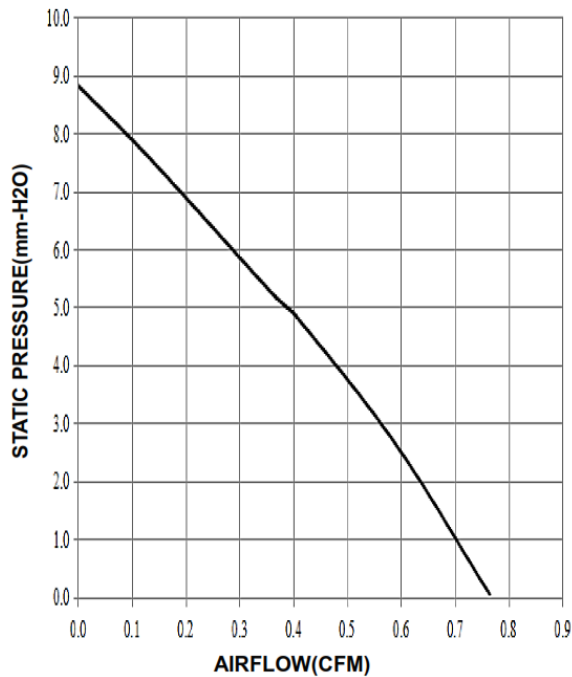


FEATURES

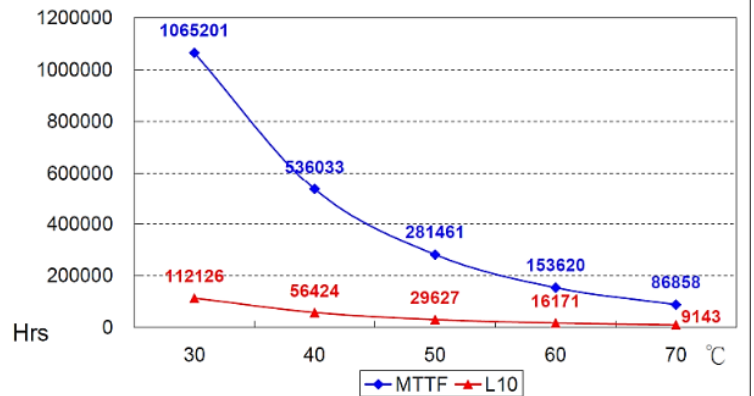
☐ FG SIGNAL	☐ IP-55 RATED
☐ RD SIGNAL	☐ HIGH TEMP RATED
☐ PWM	

DIMENSIONS	: 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



DC Slim-Line Blowers

DB301005H2B-2T0

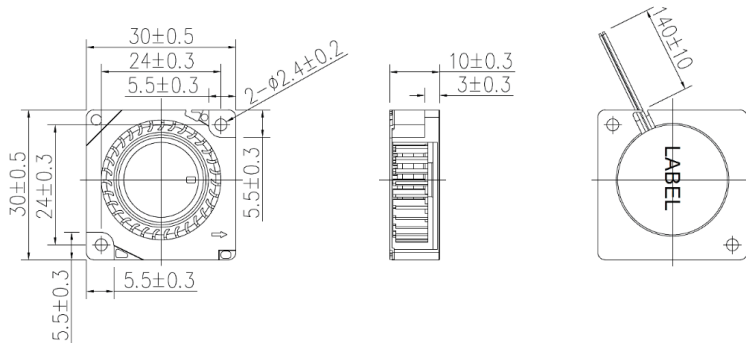


Description: DC Fan with :

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

: 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 InH₂O (min.: 0.158 InH₂O)

STATIC AIR PRESSURE

: 5.61 mmH₂O (min.: 4.053 mmH₂O)

(IN FREE AIR AT RATED VOLTAGE)

NOISE LEVEL

: 28.0 dB(A) (MAX.: 31.0 dB(A))

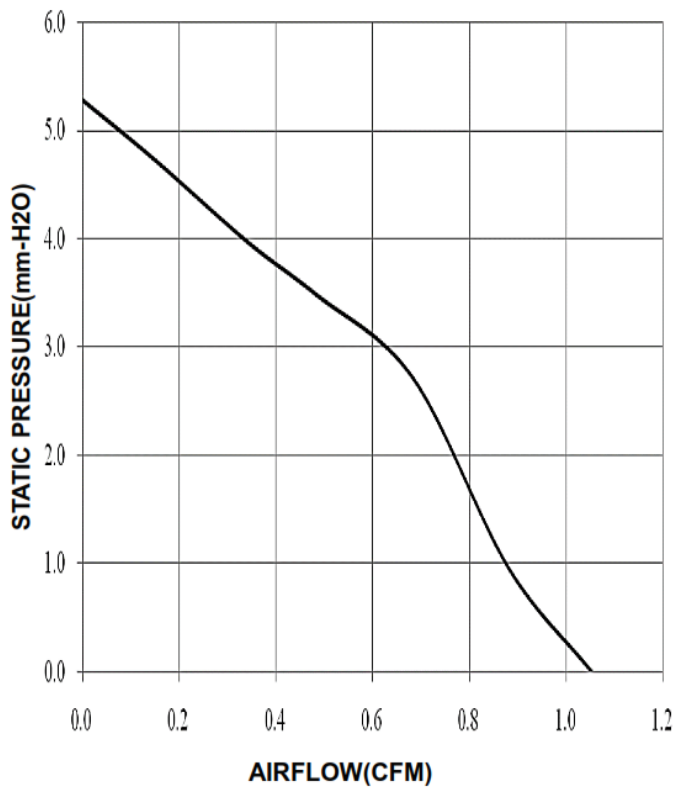
LIFE EXPECTANCY

: 50000 Hours at 40°C / 65% RH

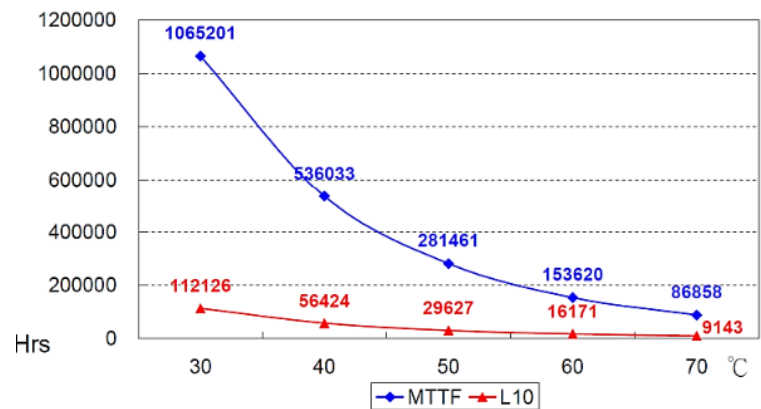
NET WEIGHT

: 8.4 Gram

Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

DB550505H2B-2T0

wakefield-vette

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB550505H2B-2T0	55*50*5.25	ULTRA THIN DC BLOWER 55X55X5.25MM 5V 1.27CFM	5	55	1.27	21.2dB(A)	0.7	3100	2 Wire, No Connector	17

FEATURES

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

DIMENSIONS

: 55 X 50 X 5.25 mm

BEARING TYPE

: AFB

MOTOR PROTECTION

: BY IC

RATED VOLTAGE

: 5.0 VDC

OPERATING VOLTAGE RANGE

: 3.5 ~ 6.0 VDC

START-UP VOLTAGE

: 3.5 VDC, POWER ON/OFF

REAL CURRENT

: 0.12 Amp

REAL POWER

: 0.70 Watt

RATED CURRENT

: 0.40 Amp +10% MAX

RATED POWER

: 2.00 Watt

RATED SPEED

: 3100 RPM $\pm 15\%$

(IN FREE AIR AT RATED VOLTAGE)

AIR FLOW

: 1.27 CFM (min.: 1.079 CFM)

AIR FLOW

: 0.035 CMM (min.: 0.029 CMM)
(IN FREE AIR AT RATED VOLTAGE)

STATIC AIR PRESSURE

: 0.149 InH₂O (min.: 0.107 InH₂O)

STATIC AIR PRESSURE

: 3.79 mmH₂O (min.: 2.738 mmH₂O)
(IN FREE AIR AT RATED VOLTAGE)

NOISE LEVEL (0.5M)

: 21.2 dB(A) (MAX.: 24.2 dB(A))

LIFE EXPECTANCY

: 50000 Hours at 40°C / 65% RH

NET WEIGHT

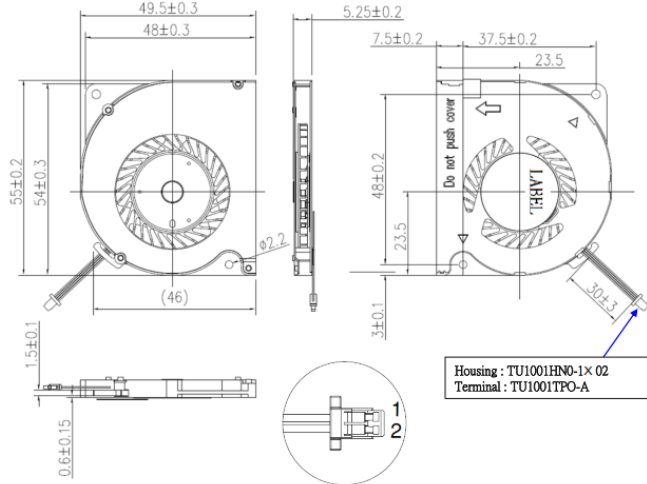
: 17 Gram

Description: DC Fan with :

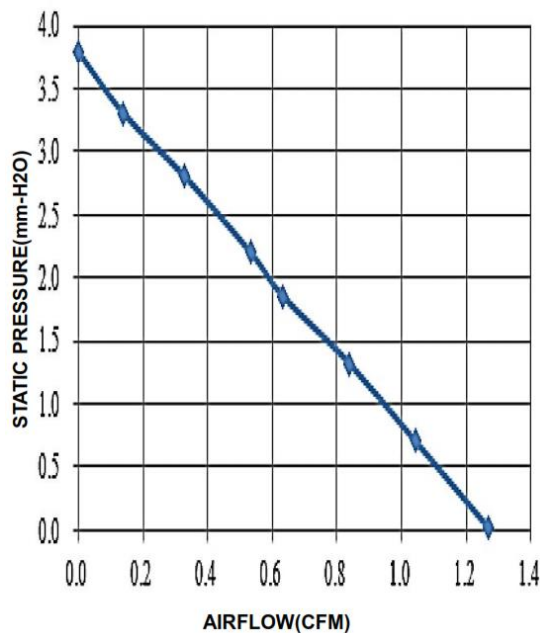
Lead Wire: UL3302, AWG#30, 30 $\pm$ 3 mm lead length

PIN1: RED WIRE (+)

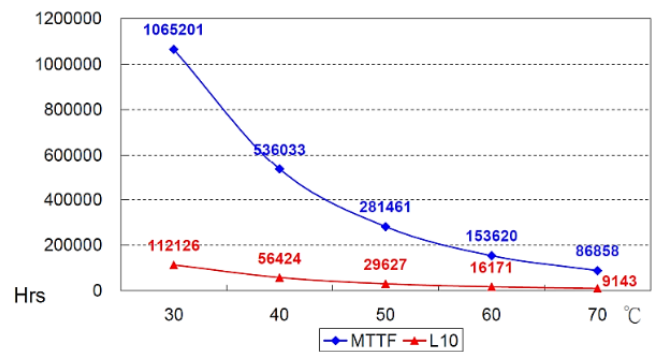
PIN2: BLACK WIRE (-)



Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

DB590505H2B-BT0



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB590505H2B-BT0	59.3*55.6*5.6	ULTRA THIN DC BLOWER 59.3X55.6X5.6MM 5V 3.25CFM	5	59.3	3.25	41.1dB(A)	1.9	6700	4 Wire, PWM No Connector	20

Description: DC Fan with :

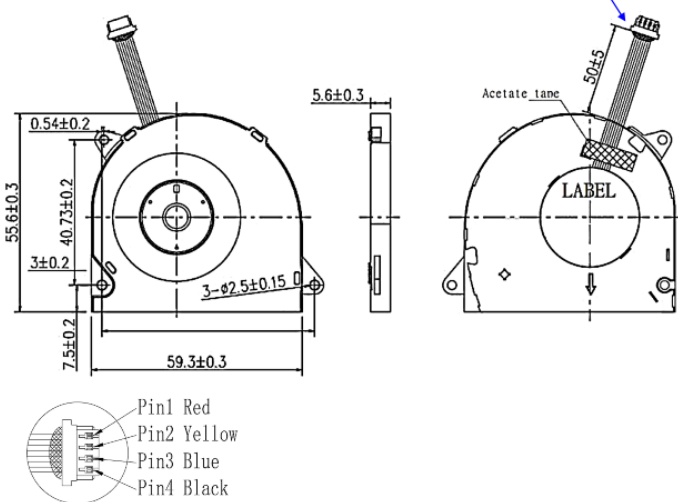
Lead Wire: UL3302 , AWG#32 , 50±5 mm lead length

PIN1 : RED WIRE ----- (+)

PIN2 : YELLOW WIRE ----- (FG)

PIN3 : BLUE WIRE ----- (PWM)

PIN4 : BLACK WIRE ----- (-)



FEATURES

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

DIMENSIONS

: 59.3 X 55.6 X 5.6 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

: 0.38 Amp

REAL POWER

: 1.90 Watt

RATED CURRENT

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

RATED POWER

: 2.00 Watt (Duty cycle 100%)

RATED SPEED

: 6700 RPM ± 10 % (Duty cycle 100%)

(IN FREE AIR AT RATED VOLTAGE)

AIR FLOW

: 3.25 CFM (min. 2.925 CFM)

AIR FLOW

: 0.091 CMM (min. 0.081 CMM)

(IN FREE AIR AT RATED VOLTAGE)

STATIC AIR PRESSURE

: 0.672 InH₂O (min. 0.544 InH₂O)

STATIC AIR PRESSURE

: 17.08 mmH₂O (min. 13.834 mmH₂O)

(IN FREE AIR AT RATED VOLTAGE)

NOISE LEVEL (0.5M)

: 41.1 dB(A) (MAX.: 44.1 dB(A))

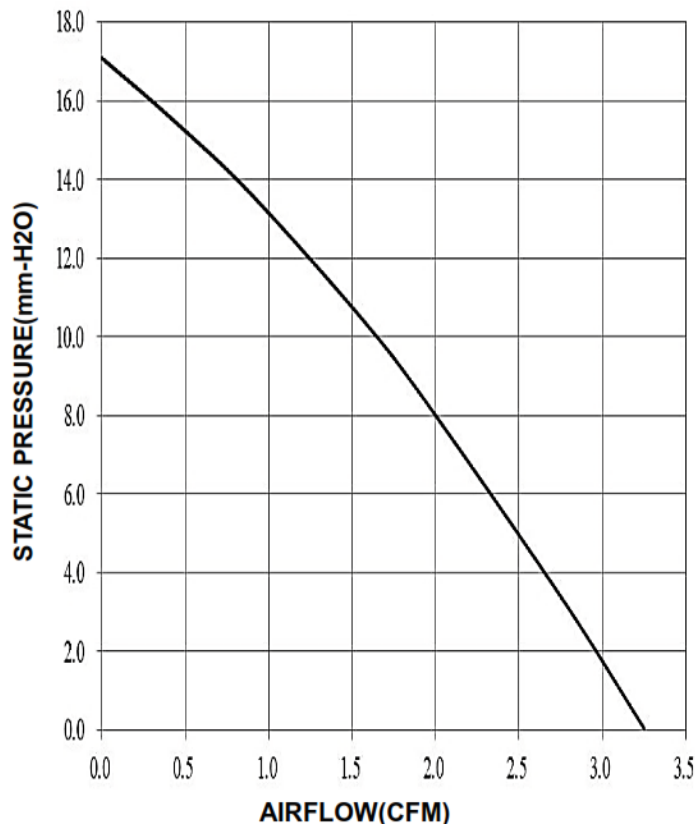
LIFE EXPECTANCY

: 50000 Hours at 40°C / 65% RH

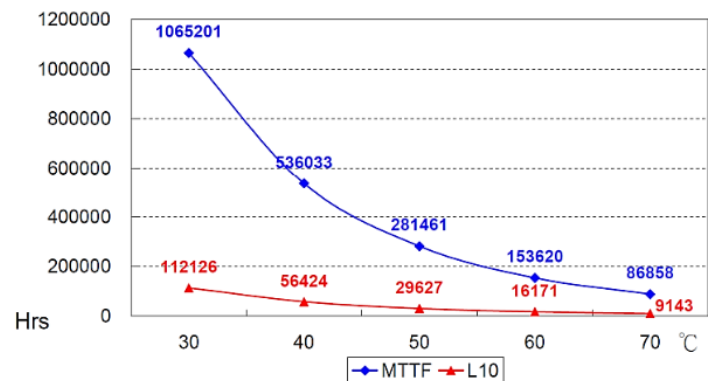
NET WEIGHT

: 20 Gram

Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

DB630405H2B-BT0



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB630405H2B-BT0	63*63*4	ULTRA THIN DC BLOWER 63X63X4MM 5V 2.15CFM	5	63	2.15	35.4dB(A)	1.75	5700	4 Wire, PWM No Connector	26

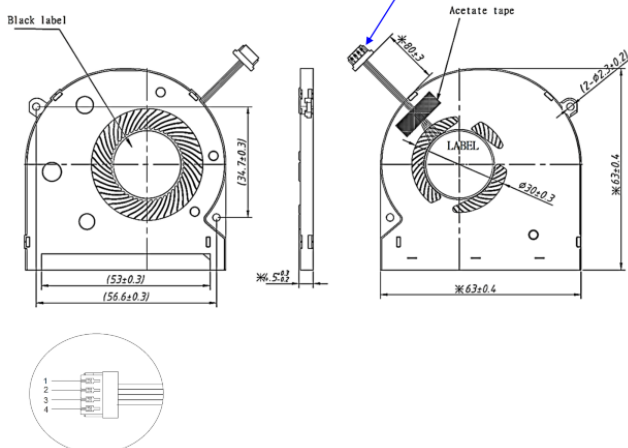
FEATURES

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

Description: DC Fan with :

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

PIN1 : RED WIRE (+)
PIN2 : BLUE WIRE (FG)
PIN3 : BLACK WIRE (-)
PIN4 : WHITE WIRE (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%)

AIR FLOW

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

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)

NOISE LEVEL (0.5M)	: 35.4 dB(A) (MAX.: 38.4 dB(A))
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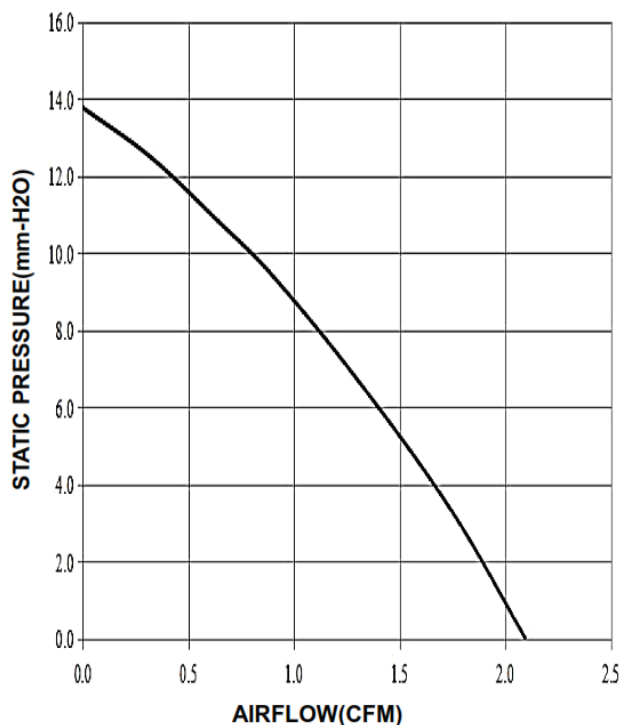
LIFE EXPECTANCY

LIFE EXPECTANCY	: 50000 Hours at 40°C / 65% RH
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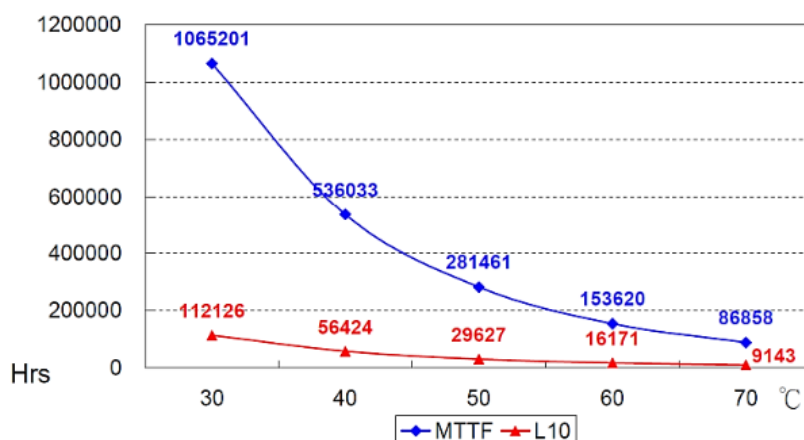
NET WEIGHT

NET WEIGHT	: 26 Gram
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Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

DB630405H2B-BT0



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB620505H2B-BT0	61.8*57.3*5.6	ULTRA THIN DC BLOWER 61.8X57.3X5.6MM 5V 2.68CFM	5	61.8	2.68	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

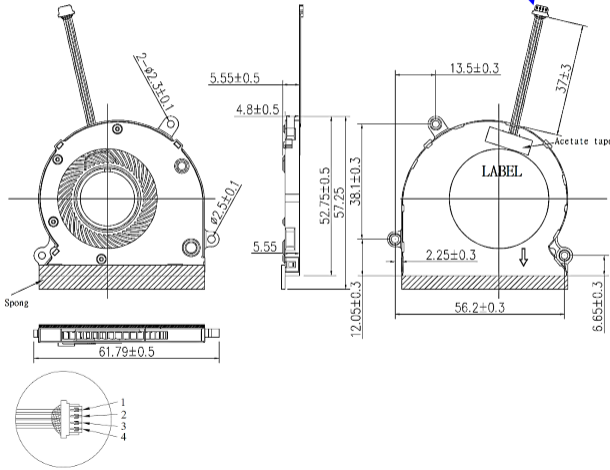
PIN1 : RED WIRE ----- (+)

PIN2 : YELLOW WIRE ----- (FG)

PIN3 : BLUE WIRE ----- (PWM)

PIN4 : BLACK WIRE ----- (-)

Housing:ACES 50375-00411-002(Black)
(Gold-plated)



FEATURES

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

DIMENSIONS

: 61.8 X 57.3 X 5.6 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

: 0.38 Amp

REAL POWER

: 1.90 Watt

RATED CURRENT

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

RATED POWER

: 2.50 Watt (Duty cycle 100%)

RATED SPEED

: 7400 RPM ± 10 % (Duty cycle 100%)

(IN FREE AIR AT RATED VOLTAGE)

AIR FLOW

: 2.68 CFM (min. 2.412 CFM)

AIR FLOW

: 0.075 CMM (min. 0.067 CMM)

(IN FREE AIR AT RATED VOLTAGE)

STATIC AIR PRESSURE

: 0.783 InH₂O (min. 0.634 InH₂O)

STATIC AIR PRESSURE

: 19.90 mmH₂O (min. 16.119 mmH₂O)

(IN FREE AIR AT RATED VOLTAGE)

NOISE LEVEL (0.5M)

: 42.8 dB(A) (MAX.: 45.8 dB(A))

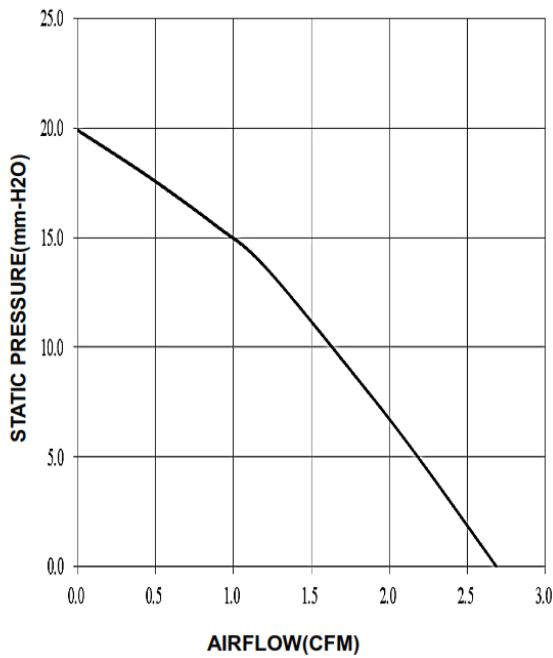
LIFE EXPECTANCY

: 50000 Hours at 40°C / 65% RH

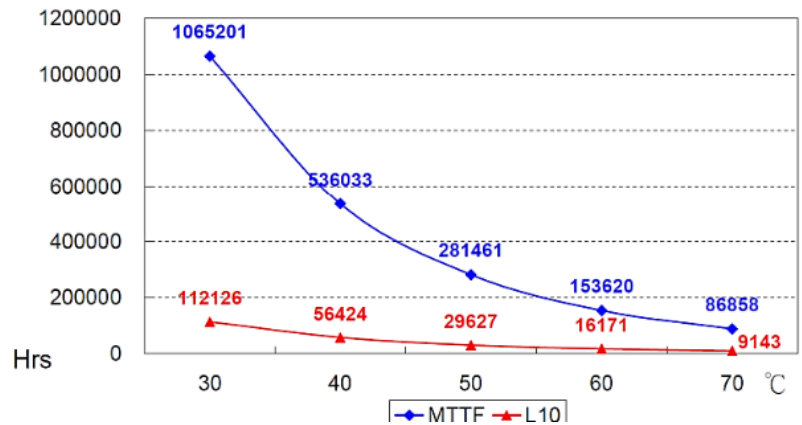
NET WEIGHT

: 17 Gram

Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

DB890405H2B-BT0



WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB890405H2B-BT0	89.1*83.8*4.7	ULTRA THIN DC BLOWER 89.1X83.8X4.7MM 5V 3.91CFM	5	89.1	3.91	38.5dB(A)	1.5	3400	4 Wire, PWM No Connector	38

Description: DC Fan with :

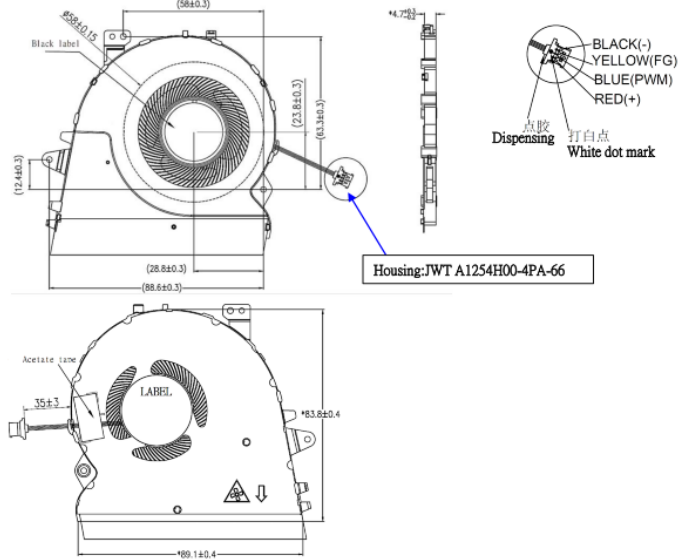
Lead Wire: UL3302 , AWG#32 , 35±3 mm lead length

BLACK WIRE (-)

YELLOW WIRE (FG)

BLUE WIRE (PWM)

RED WIRE (+)



FEATURES

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

DIMENSIONS

BEARING TYPE

MOTOR PROTECTION

RATED VOLTAGE

START-UP DUTY

REAL CURRENT

REAL POWER

RATED CURRENT

RATED POWER

RATED SPEED

AIR FLOW

AIR FLOW

STATIC AIR PRESSURE

STATIC AIR PRESSURE

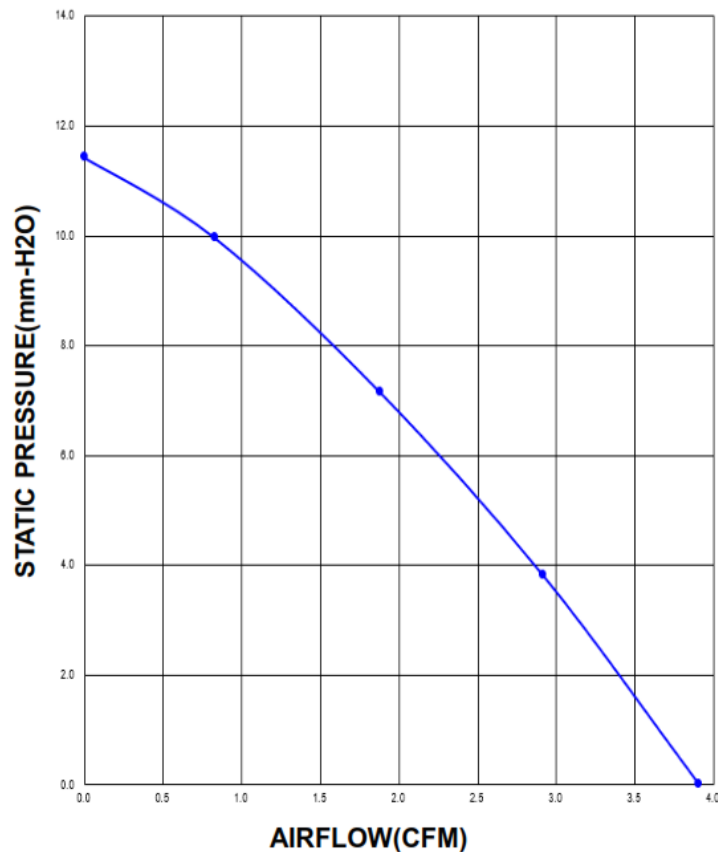
NOISE LEVEL

LIFE EXPECTANCY

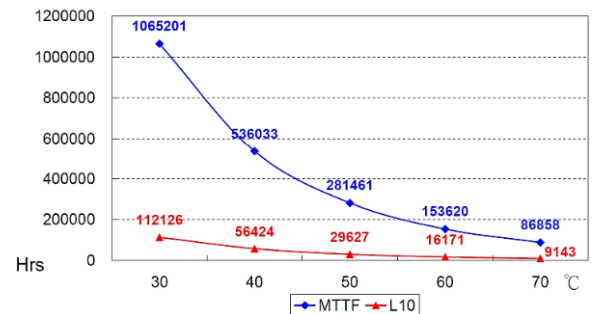
NET WEIGHT

:	89.1 X 83.8 X 4.7	mm
:	FDB	
:	BY IC	
:	5.0 VDC	
:	20% , AT RATED VOLTAGE	
:	0.30 Amp	
:	1.50 Watt	
:	0.45 Amp +10% MAX	(Duty cycle 100%)
:	2.25 Watt	(Duty cycle 100%)
:	3400 RPM ± 10 %	(Duty cycle 100%)
:	(IN FREE AIR AT RATED VOLTAGE)	
:	3.91 CFM (min 3.519 CFM)	
:	0.110 CMM (min 0.099 CMM)	
:	(IN FREE AIR AT RATED VOLTAGE)	
:	0.448 InH ₂ O (min 0.362 InH ₂ O)	
:	11.4 mmH ₂ O (min 9.234 mmH ₂ O)	
:	(IN FREE AIR AT RATED VOLTAGE)	
:	38.5 dB(A) (MAX.: 41.5 dB(A))	
:	50000 Hours at 40°C / 65% RH	
:	38 Gram	

Fan Performance Curve



MTTF & L10 Curve



DC Slim-Line Blowers

DB870505H2B-BT0

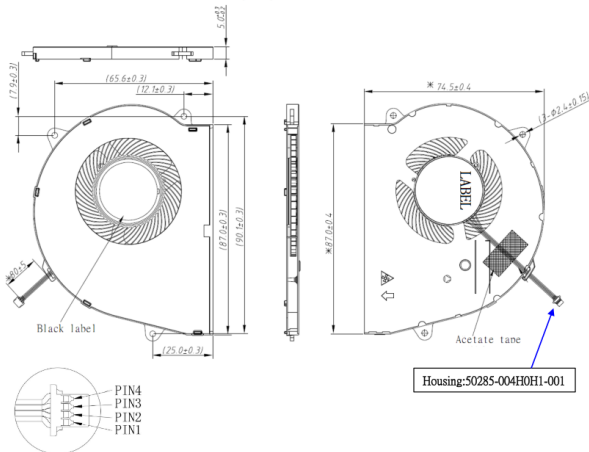


WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB870505H2B-BT0	87*74.5*5	ULTRA THIN DC BLOWER 87X74.5X5MM 5V 4.63CFM	5	87	4.63	40.9dB(A)	2.25	4500	4 Wire, PWM No Connector	41

Description: DC Fan with :

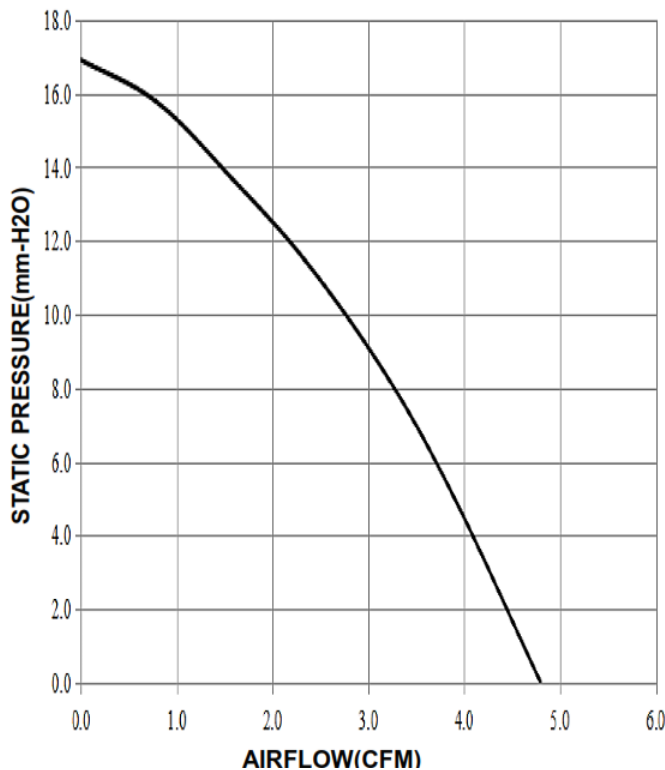
Lead Wire: UL3302 , AWG#32 , 80±5 mm lead length

PIN1 : RED WIRE----- (+)
 PIN2 : BLUE WIRE----- (PWM)
 PIN3 : BLACK WIRE----- (-)
 PIN4 : WHITE WIRE----- (FG)

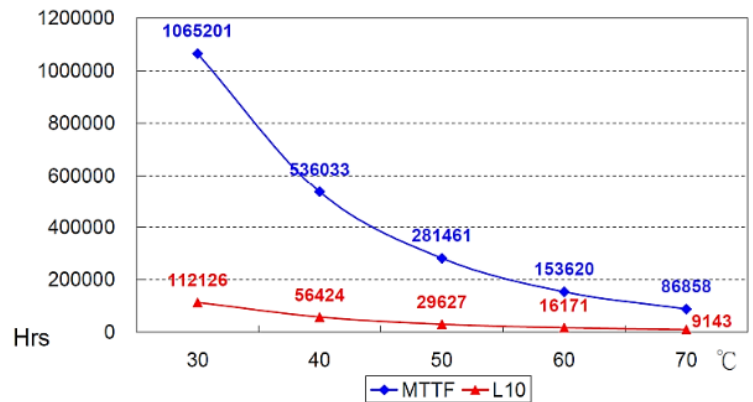


DIMENSIONS	:	87 X 75 X 5 mm
BEARING TYPE	:	AFB
MOTOR PROTECTION	:	BY IC
RATED VOLTAGE	:	5.0 VDC
OPERATING VOLTAGE RANGE	:	2.5 ~ 5.5 VDC
START-UP VOLTAGE	:	2.5 VDC , POWER ON/OFF
REAL CURRENT	:	0.45 Amp
REAL POWER	:	2.25 Watt
RATED CURRENT	:	0.50 Amp +10% MAX (Duty cycle 100%)
RATED POWER	:	2.50 Watt (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 InH ₂ O (min.: 0.412 InH ₂ O)
STATIC AIR PRESSURE	:	14.52 mmH ₂ O (min.: 10.49 mmH ₂ O)
		(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



DC Slim-Line Blowers

DB870605H2B-BT0

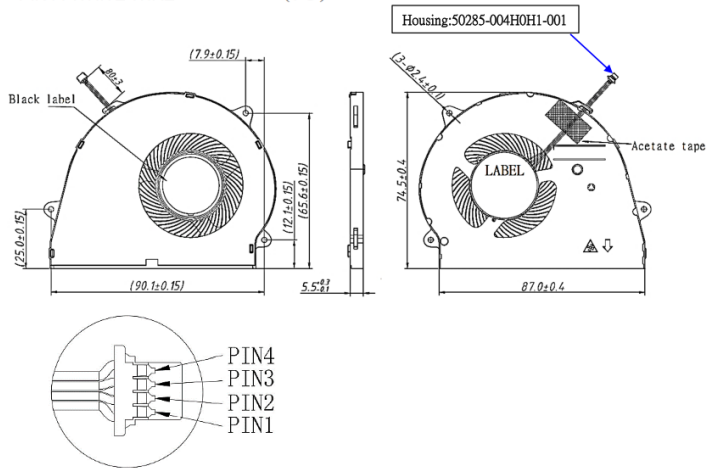
wakefield-vette

WKV PN	Fan Size (mm)	Description	Voltage (VDC)	Width (mm)	Air Flow (CFM)	Noise	Power (Watts)	RPM	Termination	Weight (g)
DB870605H2B-BT0	87*74.5*5.5	ULTRA THIN DC BLOWER 87X74.5X5.52MM 12V 5.70CFM	5	87	5.7	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

PIN1 : RED WIRE (+)
 PIN2 : BLUE WIRE (PWM)
 PIN3 : BLACK WIRE (-)
 PIN4 : WHITE WIRE (FG)



FEATURES

V	FG SIGNAL	IP-55 RATED
V	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%)

(IN FREE AIR AT RATED VOLTAGE)

: 5.70 CFM (min. 4.845 CFM)

AIR FLOW

: 0.161 CMM (min. 0.136 CMM)

(IN FREE AIR AT RATED VOLTAGE)

STATIC AIR PRESSURE

: 0.624 InH₂O (min. 0.450 InH₂O)

STATIC AIR PRESSURE

: 15.87 mmH₂O (min. 11.466 mmH₂O)

(IN FREE AIR AT RATED VOLTAGE)

NOISE LEVEL (0.5M)

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

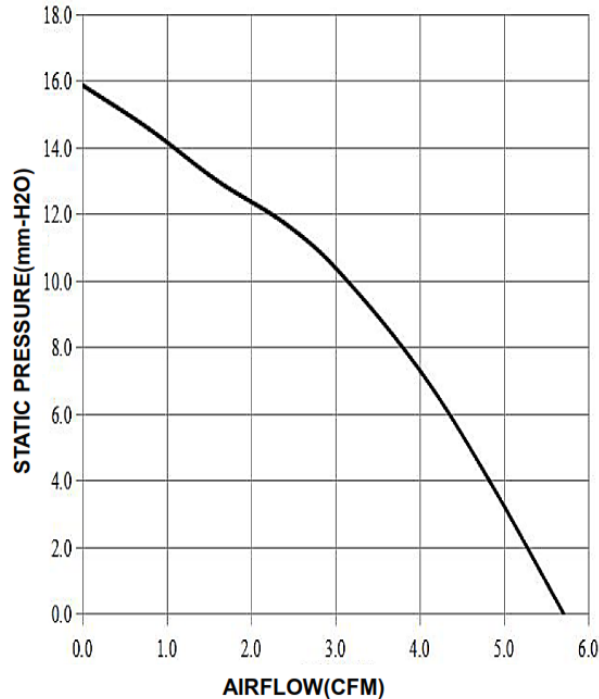
LIFE EXPECTANCY

: 50000 Hours at 40°C / 65% RH

NET WEIGHT

: 46 Gram

Fan Performance Curve



MTTF & L10 Curve

