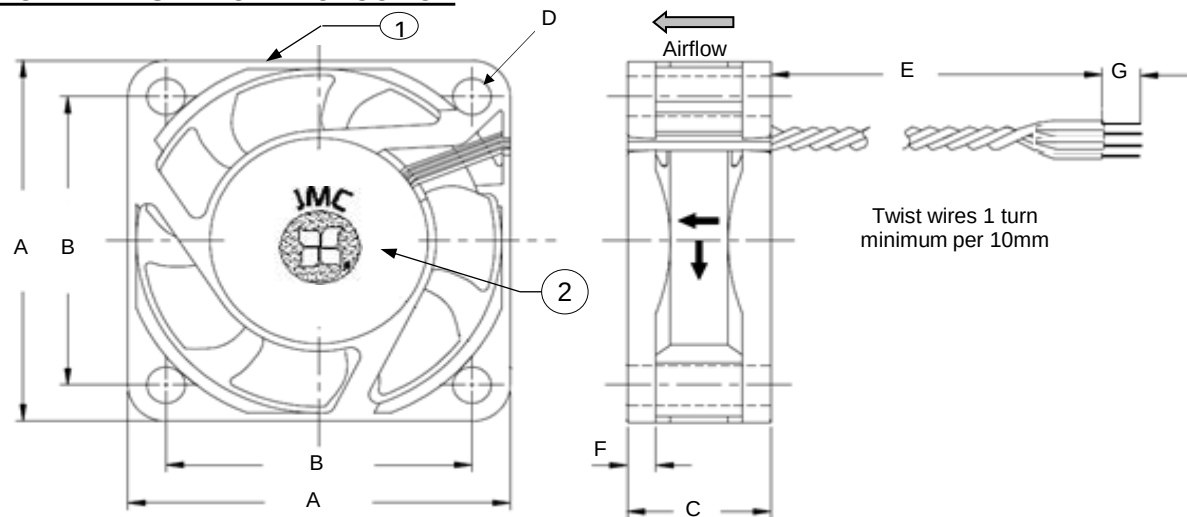


NOT RELEASED FOR PRODUCTION

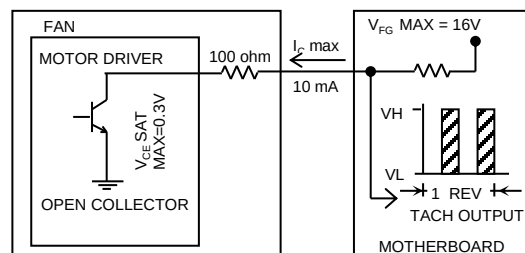
Rotation, Clockwise

WIRE DESIGNATION	
FUNCTION	WIRE COLOR
GND (-)	Black
PWR (+)	Yellow
Signal (Tach)	Green
PWM	Blue

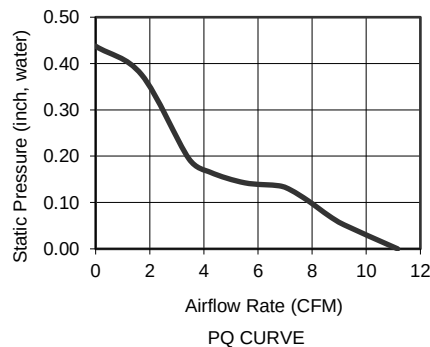
All Dimensions in mm	
A	40 +/- 0.5
B	32 +/- 0.3
C	15 +/- 0.5
D	4 x 3.5 +/- 0.3
E	300 +/- 30
F	3.0 +/- 0.3
G	6.4 +/- 1.0

Twist wires 1 turn
minimum per 10mm

Frame Type (Closed Barrell)



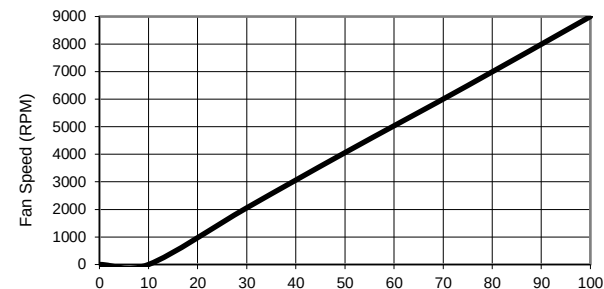
TACH OUTPUT ELECTRICAL CHARACTERISTICS



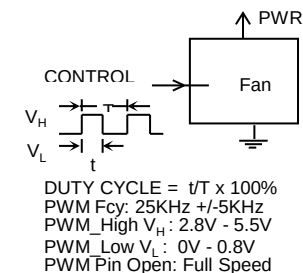
Revision History				
EC No	REV	Date	Description	Approvals
NA	X00	10/30/2016	Created Dwg.	JE
NA	X01	5/1/2018	Updt frame	JE

NOTES

- THIS FAN AND ALL OF ITS COMPONENTS COMPLY WITH THE REQUIREMENTS OF RoHS DIRECTIVE 2011/65/EU
- BASE MODEL FAN - ANY CHANGES TO SPECIFICATION REQUIRES NEW PART NUMBER AND DRAWING.
- RPM TOLERANCE IS +/-30% AT DUTY CYCLES BELOW 30%. AT DUTY CYCLES BETWEEN 30% AND 100%, RPM TOLERANCE CONVERGES LINEARLY TO 10%.



PWM DUTY CYCLE vs. FAN SPEED AT 12V



FRONT END PWM CIRCUIT

MECHANICAL

PHYSICAL

ELECTRICAL

ITEM	SPECIFICATION	UNITS / NOTES
Speed	9000 +/- 10%	RPM at 12 Vdc
Airflow	11.16	CFM in Free Air
Static Pressure	0.44	Inch, H ₂ O
Bearing Type	DBB	N/A
Operating Temp	(-)10 to 70	Deg C
Storage Temp	(-) 40 to 70	Deg C
Noise Level	31.2	dBA at 1M
Blade Material	UL 94V-0	N/A
Frame Material	UL 94V-0	N/A
Wire Size	26	AWG
Wire Type	UL 1007	N/A
Wire Assembly	First and Second Slot	N/A
Regulatory Approvals	UL CUL TUV	N/A
Net Weight	TBD	Grams
Operating Voltage	10.8 -13.2	Vdc
Start Up PWM Duty Cycle	30	%
Rated Current	0.12 (0.14 Max)	Amp
Input Power	1.44 (1.68 Max)	Watts
Tach Output	2	Pulses/Rev
Polarity Protection	Yes	N/A
Motor Protection	Yes	Type 2

2	1	Logo Label	L04009B0004	JMC
1	1	Fan Model	4015 - 12	JMC
Item	Qty	Description	Part Number	MFG
Austin Texas, USA Dong Guan, PRC				
Drawn By A. Aguirre		Size A1	Drawing Number 04009B0004	Rev X01
Engineer J. Elmo		Scale: None Sheet 1 of 1		

PROPRIETARY NOTE

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