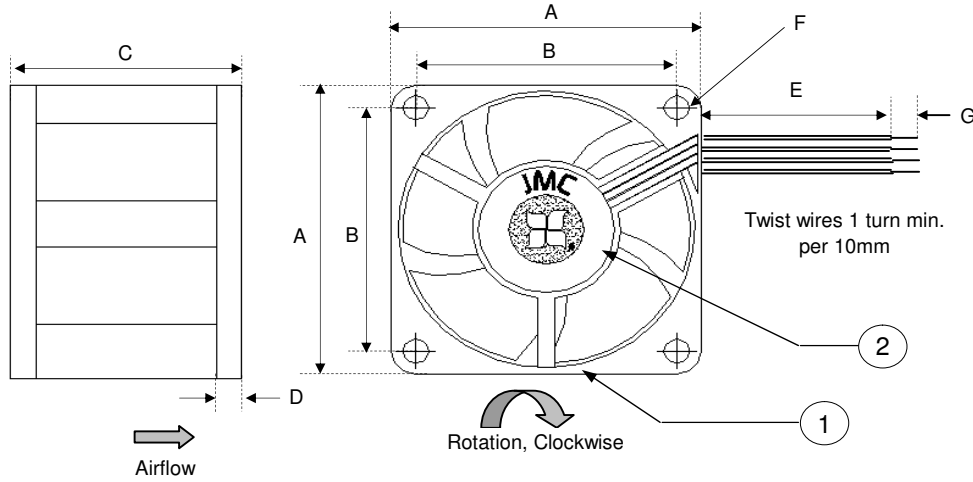


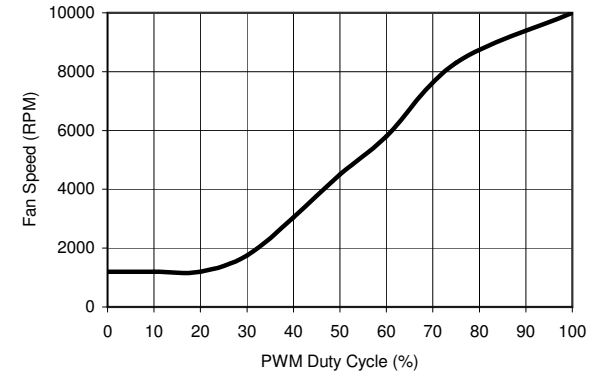
NOT RELEASED FOR PRODUCTION



Revision History				
EC No	REV	Date	Description	Approvals
NA	X00	5/31/2008	Created Drg.	SA
NA	X01	1/27/2009	Chg wire size from 24 to 26	DG
NA	X02	11/30/2010	Chg Operating Voltage	JE
NA	X03	4/22/2011	Updt. PWM Curve	JE

NOTES

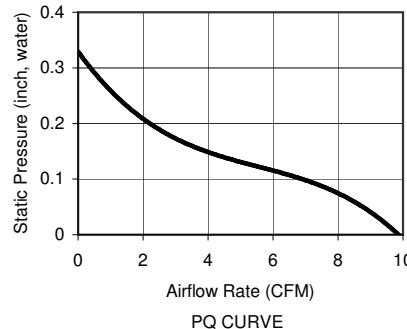
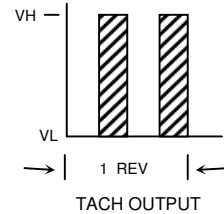
- THIS FAN AND ALL OF ITS COMPONENTS COMPLY WITH THE REQUIREMENTS OF RoHS DIRECTIVE 2002/95/EC
- BASE MODEL FAN - ANY CHANGES TO SPECIFICATION REQUIRES NEW PART NUMBER.
- RPM TOLERANCE IS +/-30% AT DUTY CYCLES BELOW 30%.
- AT DUTY CYCLES BETWEEN 30% AND 100%, RPM TOLERANCE CONVERGES LINEARLY TO 10%.



PWM DUTY CYCLE vs. FAN SPEED

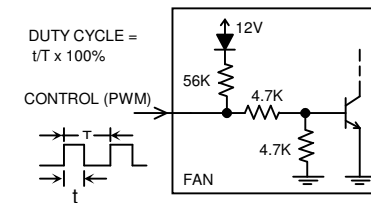
WIRE DESIGNATION	
Wire Color	Function
Black	GND (-)
Yellow	PWR (12Vdc)
Green	TACH
Blue	PWM

All Dimensions in mm	
A	38 +/- 0.5
B	32 +/-0.3
C	28 +/-0.5
D	3.0 +/-0.3
E	300 +/- 25
F	4 X 3.5 Dia +/- 0.3
G	6.4 +/- 1.0



PQ CURVE

	ITEM	SPECIFICATION	UNITS / NOTES
MECHANICAL	Speed	10000 +/- 10%	RPM at 12 Vdc
	Airflow	10.0	CFM in Free Air
	Static Pressure	0.33	Inch, H ₂ O
	Bearing Type	Dual Ball	N/A
	Operating Temp	(-)10 to 70	Deg C
	Storage Temp	(-)40 to 70	Deg C
	Noise Level	38.0	dBA Max at 1M
PHYSICAL	Blade Material	UL 94V-0	N/A
	Frame Material	UL 94V-0	N/A
	Wire Size	26	AWG
	Wire Type	UL 1061	N/A
	Wire Assembly	First Slot Only	N/A
ELECTRICAL	Regulatory Approvals	UL CUL TUV	N/A
	Net Weight	TBD	Grams
	Operating Voltage	10.8 - 13.2	Vdc
	Starting PWM Duty Cycle	30.0	%
	Rated Current	0.30	Amp
	Input Power	3.60	Watts
	Tach Output	2	Pulses/Rev
	Polarity Protection	Yes	N/A
	Motor Protection	By Auto restart	N/A



FRONT END PWM CIRCUIT

2	1	Logo Label	L03800B0004	JMC
1	1	Fan Model	3828 - 12	JMC
Item	Qty	Description	Part Number	MFG
Austin Texas, USA Dong Guan, PRC			Fan, 38 X 28 mm, 12Vdc, PWM, Dual Ball, Base Model	
Drawn By S. Apsangi			Size A1	Drawing Number 03800B0004
Engineer J Elmo		Scale: None		Sheet 1 of 1

PROPRIETARY NOTE

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