

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









San Ace 40

General Specifications

· Material ······ Frame: Plastics (Flammability: UL94V-0),

Impeller: Plastics (Flammability: UL94V-0)

• Expected LifeRefer to specifications (L10: Survival rate: 90% at 60°C,

rated voltage, and continuously run in a free air state)

(For models without PWM control function, there is no

speed control wiring.)

· Storage Temperature ··· - 30°C to +70°C (Non-condensing)





$40\times40\times15_{mm} \text{ (Mass: 28g)} \text{ } \textbf{9GA} \text{ type} \text{ } \textbf{High Airflow Low Power Consumption Fan} \text{ } \textbf{\textit{Q}}$



Specifications The following nos. have PWM controls, pulse sensors, and ribs.

Model No.	Rated Voltage	Operating Voltage Range	PWM duty	Rated Current	Rated Input	Rated Speed	Max. Airflow		Max. Static Pressure		SPL	Operating Temperature	Expected Life
Model No.	[V]	[V]	cycle ^{Note)**} [%]	[A]	[W]	[min ⁻¹]	[m³/min]	[CFM]	[Pa]	[inchH ₂ 0]	[dB(A)]	[°C]	[h]
9GA0412P7G001	12	10.2 to 13.8	100	0.17	2.04	13,100	0.36	12.7	192	0.77	42	-20 to +70	40,000/60°C (70,000/40°C)

Note: Fan does not rotate when PWM duty cycle is 0%.

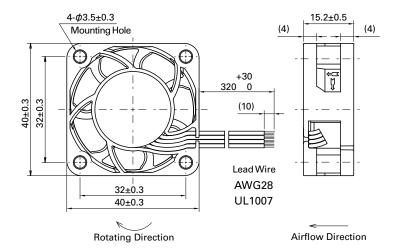
※PWM Frequency : 25kHz

The following nos. have pulse sensors and ribs.

Model No.	Rated Voltage	Operating Voltage Range	Rated Current Rated Input		Rated Speed	Max. Airflow		Max. Static Pressure		SPL	Operating Temperature	Expected Life
Would No.	[V]	[V]	[A]	[W]	[min ⁻¹]	[m³/min]	[CFM]	[Pa]	[inchH ₂ 0]	[dB(A)]	[°C]	[h]
9GA0412G7001	10	7 to 13.8	0.17	2.04	13,100	0.36	12.7	192	0.77	42	-20 to +70	40,000/60°C
9GA0412H7001	12		0.06	0.72	7,300	0.2	7.1	59.6	0.24	28		(70,000/40°C)

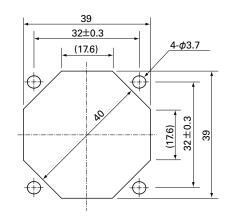
Other sensor specifications are available as options. Please refer to the index (p. 504).

Dimensions (unit: mm) (With PWM control function · With pulse sensor)



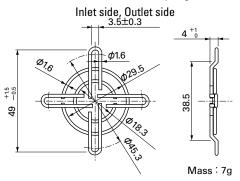
Reference Dimensions of -Mounting Holes and Vent Opening (unit: mm)

Inlet side, Outlet side



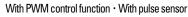
Options (unit: mm)

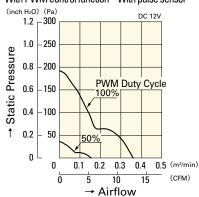
Finger Guards Model: 109-059 : 109-059H Surface treatment: Nickel-chrome plating (silver) : Cation electropainting (black)



Airflow - Static Pressure Characteristics

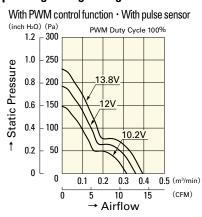
PWM Duty Cycle

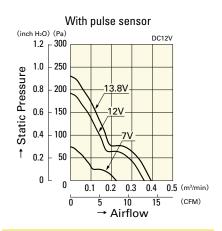


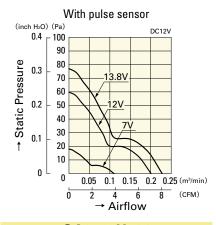


9GA0412P7G001

Operating Voltage Range







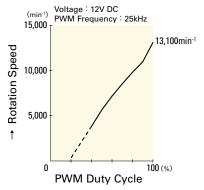
9GA0412P7G001

9GA0412G7001

9GA0412H7001

PWM Duty - Speed Characteristics Example

With PWM control function · With pulse sensor



9GA0412P7G001