

FEATURES

- PBT UL94V-0 thermoplastic impeller
- Ball bearing system, supporting excellent performance and life expectancy. Typically 60000 hours based on L10 curve figures
- Brushless DC, polarity protected, locked rotor protected motor
- Tachometer output options, for sensing and speed control

RS PRO, 12 V dc, DC Axial Fan, 52 x 52 x 10mm, 20.4m³/h, 1.68W

RS Stock No.: 619-7093



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Brought to you by RS Pro brand, a wide range of DC ball bearing axial fans offering a cost effective cooling solution without sacrificing on quality or reliability. With a brushless, auto restart, impedance and polarity protected motor these fans are ideal for a multitude of applications. All models are highly reliable and excellent quality

General Specifications

Air Flow	20.4m ³ /h
Fan Speed	6000rpm
Static Pressure	0.29in/H ₂ O
Noise Level	36dB
Fan Housing Shape	Rectangular; Round; Square
Direction of Curve	Backward
Frame	PBT Plastic
Impeller	PBT Plastic
Alarm Function	No; Low-speed alarm
Speed Control Range	500min ⁻¹ to 3500min ⁻¹
Special Features	Dual Ball Bearing; Tachometer
Applications	Server racks, Electrical cabinets and enclosures; Production Lines, Ceiling fan/ventilation Desktop computers, Motor engines (radiator in a car), Generators, Air compressor, Laptop and Computer tower

Electrical Specifications

Motor	Brushless DC, Auto Cut-off, Auto Restart, Polarity Protected
Phase	1; 3
AC or DC Operation	DC
Power Consumption	1.68W
Supply Voltage	12Vdc
Rated Voltage	12VDC
Maximum Current	140mA
Frequency in Hz	50; 50/60
Sensor Output Type	Open Collector; Voltage Output
Termination Type	Flat Plug; Lead Wire; Terminal; Terminal Block; Wire
Dielectric Strength	500VAC/min < 1mA
Insulation Resistance	10M ohm between lead wire and frame (500VDC)
Voltage Range	10.8~13.2Vdc

Mechanical Specifications

Dimensions	52x52x10mm
Height	52mm
Width	52mm
Depth	10mm
Diameter	150; 24mm
Bearing Type	Ball
Weight	0.028Kg (0.06 lbs)
Cable Length	1m
Life Expectancy	70,000 hours (L10 at 40°C)

Operation Environment Specifications

Operating Temperature	-10°C to 70°C
Storage Temperature	-40°C to 70°C

Protection Category

IP Rating	IP25; IP65
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Approvals

Compliance/Certifications	UL, cUL, TUV, CE, UL94-V0
Hazardous Area Certification	ATEX Ex

