

KDE1208PTV1.13.MS.A.GN SUNON 12VDC 80x80x25mm MagLev Fan Datasheet



Brand: SUNON

SKU: [654402383464](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/kde1208ptv1-13-ms-a-gn-sunon-12vdc-80x80x25mm-maglev-fan>

Product Description

The SUNON KDE1208PTV1.13.MS.A.GN is a high-reliability DC Axial Fan engineered for demanding industrial thermal management. Featuring Sunon's proprietary MagLev (Magnetic Levitation) motor technology, this unit utilizes a Vapo bearing system that eliminates direct physical contact between the shaft and bearing surface. This advanced aerodynamic design significantly reduces friction, vibration, and acoustic noise while enhancing structural rigidity and operational longevity. With a power rating of 1.6W, the fan delivers consistent airflow to lower thermal impedance in high-density electronic enclosures. The construction employs durable thermoplastic materials, ensuring resilience against thermal stress and maintaining performance stability in continuous-duty environments.

Model Number: KDE1208PTV1.13.MS.A.GN

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 4.5 - 13.8 VDC

Rated Current: 0.13 A

Power Consumption: 1.6 W

Rated Speed: 3000 RPM

Bearing Type: Vapo (MagLev System)

Max. Air Flow: 40.0 CFM (67.96 m³/h / 1.13 m³/min)

Max. Static Pressure: 0.18 inH₂O (4.57 mmH₂O / 44.8 Pa)

Dimensions: 80x80x25mm

Weight: 86 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 33.0 dBA

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Lead (UL1007, 24AWG)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP5X (Dust Protected)

Motor Protection: Auto Restart / Polarity Protection

Dielectric Strength: 500 VAC for 1 Minute

Insulation Resistance: 10 Megohms min at 500 VDC

Safety Certifications: UL, CUR, TUV, CE

This cooling component is widely utilized in industrial power supply units, server chassis, and telecommunications racks where efficient heat dissipation is critical. The KDE1208PTV1.13.MS.A.GN provides the necessary airflow to prevent thermal throttling in power conversion modules and sensitive processing units. Additionally, the KDE1208PTV1.13.MS.A.GN is frequently deployed in medical instrumentation and automation control panels, offering a balanced acoustic profile suitable for noise-sensitive work environments.

Supplemental Images

