

HF506B50A12, HF506B50C12A



COOLING of very HIGH-CLASS CPUs

• FEATURES

Small and light. The ball-bearing fan on the heat sink is highly effective despite its height of only 24.5mm! This renders it highly suitable for high speed CPU's.

• VERY LOW POWER CONSUMPTION

An NdFe₂O₃ magnet ensures a high torque of the ball bearing fan motor and maximum conductance of heat and simultaneous low current consumption.

• HIGHEST RELIABILITY AND LIFE EXPECTANCY

The brushless motor is electronically commutated. A special IC is responsible for the electrical control. High reliability is achieved by 100% burn-in.

• SILENT

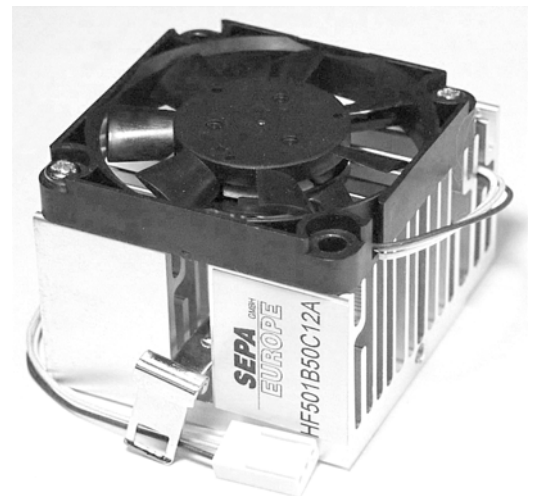
The air flow performance is increased and the noise reduced by computer-aided optimisation of the impeller and cooling surfaces.

• ATTACHMENT

Fixation with a metal-clamping bracket for PGA-Socket Nr. 5, Nr. 7 or A (to be supplied).

• ALARM-OUTPUT

An optional speed impulse output enables simple monitoring of the fan speed.



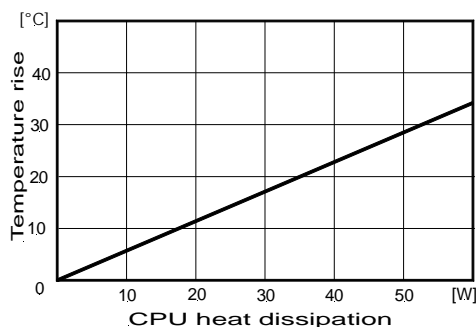
PERFORMANCE

Typ	Operating Voltage [VDC]	Operating Current [mA]	Therm. Res. [K/W] *)	Noise [dB(A)] **)	Op. Temperature (heat sink) °C	Life Expectancy L ₁₀ / MTBF [h @ 60°C]
HF506B50A12	10.2...12...13.8	140/100	0.55/0.85	30	-10 ... +80	75000 / 210000
HF506B50C12A	10.2...12...13.8	140/100	0.55/0.85	39	-10 ... +80	75000 / 210000

*) Value measured with / without thermal conductive pad

**) Measured at 1m from the side of the fan

AIR PERFORMANCE DIAGRAMM



DIMENSION

