

B2010F-003 SK 12VDC PWM Automotive Cooling Fan Datasheet



SKU: [847894313691](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

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Product Page: <https://www.equipspares.com/product/b2010f-003-sk-12vdc-pwm-automotive-cooling-fan>

Product Description

The SK B2010F-003 is a specialized automotive cooling solution designed specifically for high-intensity LED headlight assemblies. Engineered with precision DC brushless motor technology, this unit ensures optimal thermal impedance management within the confined and thermally aggressive environments of modern vehicle lighting housings. The fan features a robust aerodynamic profile tailored to maintain airflow stability under varying engine bay temperatures and vibrational stresses. Its 4-wire PWM interface allows for dynamic speed regulation, synchronizing cooling performance with the LED's thermal output to prolong component lifespan. Constructed for structural rigidity and reliability, it serves as a direct OEM replacement, ensuring seamless integration without the need for soldering or modification.

Model Number: B2010F-003

Alternate Model Numbers: S00015731, A18330041

Brand: SK

Product Type: Automotive LED Cooling Fan

Rated Voltage: 12 VDC

Voltage Range: 11.0 - 14.8 VDC (Automotive Standard)

Control Interface: PWM (Pulse Width Modulation)

Termination: 4-Wire with Original OEM Plug

Bearing Type: Precision Automotive Bearing

Mounting Orientation: Universal (Headlight Housing)

Installation: Direct Plug-in (No Soldering Required)
Application: Skoda Kodiaq, New Octavia LED Headlights
Material: Automotive Grade Thermoplastic (UL94V-0)
Ingress Protection: IP55 (Moisture/Dust Resistant)
Operating Temperature: -40°C to +85°C
Condition: Brand New (OEM Surplus)

The B2010F-003 is primarily deployed within the automotive lighting sector, specifically engineered for the LED headlight modules of the Skoda Kodiaq and New Octavia. This unit manages the critical thermal load generated by high-lumen LED chips, preventing color shift and premature failure due to overheating. Beyond the Skoda Kodiaq, the B2010F-003 may be utilized in compatible automotive lighting retrofits or custom 12VDC electronic cooling applications requiring a compact, PWM-controlled thermal solution with automotive-grade durability.

Supplemental Images

