



APEXON SOLUTIONS LLC | TECHNICAL DATA SHEET DOCUMENT ID: APX-TDS-2024-EPC-B43586S4478Q2 CLASSIFICATION: ENTERPRISE PROCUREMENT SPECIFICATION

**Product Identification:** Manufacturer: EPCOS (TDK) Model Number: B43586-S4478-Q2 Series: B43586 Component Type: Aluminum Electrolytic Capacitor

**Electrical Specifications:** Rated Capacitance: 4700  $\mu$ F Rated Voltage: 350 V DC Capacitance Tolerance: -10% / +30% (Code Q) Maximum ESR: 20 m $\Omega$  (at 100 Hz, 20°C) Maximum Ripple Current: 21.6 A (at 100 Hz, 85°C) Technology: Charge-discharge proof, polar

**Physical Dimensions:** Diameter: 76.9 mm Length: 105.7 mm Terminal Style: M5 Screw Terminals Case Material: Aluminum with PVC insulating sleeve Construction: All-welded reliability design

**Environmental and Reliability:** Operating Temperature Range: -40 °C to +85 °C Useful Life: 12,000 hours (at  $V_R$ ,  $I_{AC,max}$ , 85 °C) Climatic Category: 40/085/56 (IEC 60068-1) Safety Feature: Integrated overpressure relief vent Application: Professional Power Electronics / UPS / Frequency Converters

APEXON SOLUTIONS DISCLAIMER: The technical data provided herein is for informational purposes only. While Apexon Solutions LLC strives for absolute accuracy, specifications are subject to change by the manufacturer without prior notice. Procurement teams must verify critical dimensions and electrical tolerances with the current manufacturer master catalog before final system integration. Apexon Solutions LLC assumes no liability for system failures resulting from the use of this data.

Apexon Solutions LLC | [jun@apexonsupply.com](mailto:jun@apexonsupply.com) | 111 W 2nd St, Unit #536 Casper, WY 82601