

## Notification of Discontinued Products

Dear Valued Customer,

We extend our sincere gratitude for your continued support of Panasonic. Your loyalty and dedication to Panasonic products have been vital to us.

After thorough consideration and evaluation, we regret to inform you that we will be discontinuing the ECQUA/B series of Metallized Polyester Film Capacitors for noise suppression.

We understand that this decision may cause inconvenience, and we apologize for any disruption it may bring to your operations. Our team is committed to minimizing any potential impact and assisting you throughout this transition.

Below are the details of the affected products:

Affected Product	ECQUA/B series
Reason of Discontinuation	This series is complying with international certification and this certification (IEC-60384-14) regulation is changed from Edition 4 to 5 in 2023. In line with this, we checked with VDE about test conditions, test condition “40°C 93%RH with rated voltage, 21 days” is added and we cannot pass this test. Therefore, we decided to discontinue this series. (details see appendix)
Schedule	Last time order: Sep/30/2025 Last shipping date: Aug/31/2026
Suggested Alternatives	Please refer to the attached file
Request for Action	Order collection date: Mar/31/2025

We encourage you to reach out to us with any questions or concerns you may have regarding this announcement. Your satisfaction remains our top priority, and we are here to support you in finding suitable alternatives or addressing any challenges you may encounter.

Thank you for your understanding and continued partnership as we navigate this change together.

Best regards,



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## Appendix

### 【Modification point of International standards】

International standards IEC60384-14 was changed from Ed.4 to Ed.5 in 2023. In line with this change, VDE/ENEC, DIN EN IEC60384-14 was also changed, including the test condition for film capacitor (added) as below for VDE certification.

### Current test condition (Edition4) :

Basic test condition 40°C 93% RH 21days or 56days without applying voltage

However, for moisture resistance loading test under high temperature, we can proceed the test with only one option from two options below and we tested with condition ❷ for certification.

- ❶ 40°C93%RH with rated voltage 21days or 56days, or
- ❷ 85°C85%RH with rated voltage 168h

### New test condition (Edition5) :

Condition : 40°C93%RH 21days with rated voltage is added as standard test condition and this condition is same as the above option ❶, so that we can not select option ❷ anymore and have to option ❶.

### 【Course of events】

June, 2021 : We got draft from JEITA, and this moment, for basic standard test condition, 40°C93% with rated voltage is added, but still we can choice option ❷ : 85°C85%RH with rated voltage, so that we judged it is not a problem for us.

Jan, 2023 : IEC edition5 was issued. Our understanding is same as of June 2021, and judged that we could select option ❷. (In Annex I , including mention that we can select it)

Aug, 2023 : As a result of checking with VDE, they said that they will request film supplier to test under option ❶ and did not admit applying option ❷, even though we negotiated with them from Aug to Jan, 2024.

### 【Result】

We judged that we can not pass the test with option ❶ due to applying Aluminum metalization film. Because it is difficult to endure the capacitance decreasing with Aluminum metalization film under low temperature like 40°C, it is active temperature zone of corona discharge.

### 【Next steps】

Considering to the above test conditions change, it is difficult to renew VDE certification and continue of production. Also, we got the renewal schedule of international certifications as below. So that we judged to announce discontinued ECQUA/B series.

Discontinuation of Edition4 : End of Feb, 2026 (We will not able to produce after this date )

Grace period for shipment : End of Aug, 2026 (Under checking)