

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 60185709 0001

Berichtsnummer Report No.:

HU25W9E4 001

Genehmigungsinhaber License Holder:

Knowles (UK) Ltd
Hethel Engineering Centre,
Chapman Way, Hethel,
Norwich, Norfolk,
NR14 8FB
United Kingdom

Fertigungsstätte Manufacturing Site:

Knowles Electronics
(Suzhou) Co. Ltd.
No 20 Chunxing Road
Xiangcheng District
215131 Suzhou
P.R. China

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

EN IEC 60384-14:2023

Geräteidentifikation
Product Identification
Produkt:
Product:

Fixed capacitors for electromagnetic interference suppressio
(Multi-Layer Ceramic Capacitor)

Modell:
Type:

Modelle sind auf nächste(r) Seite(n) gelistet

Type designation(s) are listed on the next page(s)

Technische Daten:
Technical Data:

V1: 310Vac (Y2), 310Vac (X1), 1500Vdc, 15nF – 18nF (X7R)
V2: 440Vac (Y2), 440Vac (X1), 1500Vdc, 10nF – 12nF (X7R)
V3: 500Vac (Y2), 520Vac (X1), 1500Vdc, 5,6nF – 8,2nF (X7R)
V4: 500Vac (Y2), 660Vac (X1), 1500Vdc, 1nF – 4,7nF (X7R)
For all variants: 50/60Hz

Gültig ab:
Valid from:
Ausstellungsdatum:
Date of issue:

2025-12-17

Zertifizierungsstelle:
Certification body:

Tötös Tamás

Tötös Tamás László



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

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Precisely Right.

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Produkt *Product:* Fixed capacitors for electromagnetic interference suppressio
(Multi-Layer Ceramic Capacitor)

Modell *Type:* **Bezeichnung** *Designation:*
Type 3825, Class SYX

Type nomenclature: 3825 'a' 'bbb' 'cccc' 'd' 'e' 'f' 'ggg' ***, where

- 3825 defines Type No./Size reference
- 'a' defines Termination, it can be:
 - Y: FlexiCap termination base with Ni Barrier (100% matte tin plating). RoHS compliant.
- 'bbb' defines Voltage, it can be:
 - A31 = 310Vac (Y2), 310Vac (X1)
 - A44 = 440Vac (Y2), 440Vac (X1)
 - A50 = 500Vac (Y2), 520Vac (X1)
 - A50 = 500Vac (Y2), 660Vac (X1)

Actual X1 rating is determined by Y2 rating, case size and capacitance.

- 'cccc' defines Capacitance value:
 - First Digit: 0
(or if cap < 10pF, first significant of cap value)
 - Second Digit: First significant figure of capacitance value
(or if cap < 10pF, "P" to signify of picofarads)
 - Third Digit: Second significant figure of capacitance value
 - Fourth Digit: Number of zeros following. E.g. 0102 = 1000pF
- 'd' defines Capacitance Tolerance Code Stable Class (X7R), it can be:
 - J: ±5% <or> • K: ±10% <or> • M: ±20%
- 'e' defines Dielectric/Release Codes, it can be:
 - J: X7R <or> • S: X7R AECQ
- 'f' defines Packaging, it can be:
 - *: Refer to Knowles datasheet for specific packaging codes
- 'ggg' is a Suffix, it can be:
 - SYX: Class Y2/X1 Safety Surge Protection

*** Represents a three-character suffix code, which will be allocated by Knowles when needed for specific customer requirements.

