

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
R 60156291

Blatt Sheet
0003

Ihr Zeichen Client Reference

Unser Zeichen Our Reference

Ausstellungsdatum

Date of Issue

0001-G.K.-HU21LLWG 003

21.12.2022

(day/mo/yr)

Genehmigungsinhaber License Holder

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

Fertigungsstätte Manufacturing Plant

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

Prüfzeichen Test Mark



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111239246

Geprüft nach Tested acc. to

EN 60384-14:2013+A1

**Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)**

**Lizenzentgelte - Einheit
License Fee - Unit**

Capacitor X7R Ceramic Chip Capacitor

Product as page 0001

Additional new case sizes:

1808bA25dddfgS2X and 1812bA25dddfgS2X

Ratings:

Syfer family code	Class	Size	Capacitor range
1808bA25dddfgS2X	X2	1808	150pF - 5,6nF
1812bA25dddfgS2X	X2	1812	150pF - 15nF

Rated voltage: 250 Vac / 1 kVdc

Frequency: 50 Hz / 60 Hz

Dielectric: X7R

Type code: S2X

ANLAGE (Appendix): Annex 1 - Techn.data

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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Zertifizierungsstelle



Gergely Bakos

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1723920

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Technische Daten / Technical data

List of additional model variants and their ratings (keys for the type designation):

1808bA25dddfgS2X and 1812bA25dddfgS2X

Example: 1808 Y A25 0102 K J T S2X ***

Type No/Size ref

Protection

Termination

Y: **FlexiCap™** termination base
with Ni Barrier (100% matte tin
plating). RoHS compliant.

H: **FlexiCap™** termination base
with Ni Barrier (Tin/ Lead plating
with min 10% Lead).

J: Silver base with Nickel Barrier

(100% Matte Tin Plating). RoHS
compliant.

A: Silver base with Nickel Barrier

(Tin/ Lead Plating with min 10%
Lead)

Voltage: A25 = 250Vac (X2)

Capacitance Value

First digit - 0 (or if cap < 10pF first significant figure of cap value)

Second digit - First significant figure of capacitance value (or if cap < 10pF "P" to signify units of picofarads)

Third digit - Second significant figure of capacitance value

Fourth digit - Number of zeros following. eg. 0102 = 1000pF

S2X = 250Vac X2 Safety tested Surge
capacitors.

Packaging

T: 178mm (7") reel

R: 330mm (13") reel

B: Bulk pack - tubs

Dielectric/ Release codes

J: X7R S: X7R AECQ

G: C0G K: C0G AECQ

Capacitance Tolerance code

Stable class (X7R)		Ultra stable (C0G)	
± 5%	J	± 0.10 pF	B
± 10%	K	± 0.25 pF	C
± 20%	M	± 0.50 pF	D
		± 1%	F
		± 5%	G
		± 10%	J
		± 20%	K

*** Represents a three-character suffix code, which will be allocated by Knowles when needed for specific customer requirements. This does not change the specifications defined hereon, complies with Knowles safety capacitor requirements and also is in accordance with IEC 60384-14

D. Bakos

Gergely Bakos