

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 60166533

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*

Ausstellungsdatum

Date of Issue

0001-T.W.-HU220RQX 001 20.12.2022 (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 1111261161

Geprüft nach *Tested acc. to*

EN 60384-14:2013+A1

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

**Lizenzentgelte - Einheit
*License Fee - Unit***

Capacitor C0G Ceramic Chip Capacitor

Model / Type designation:

1808bA25ddddddefgSYS, 1812bA25ddddddefgSYS

For detailed type nomenclature see Annex 1.

Ratings:

Syfer family code	Class	Size	Capacitor range
1808bA25ddddddefgSYS	Y2/X1	1808	5,6pF - 220pF
1812bA25ddddddefgSYS	Y2/X1	1812	5,6pF - 680pF

Rated voltage: 250 Vac / 305 Vac / 1 kVdc

Frequency: 50 Hz / 60 Hz

Dielectric: C0G

Type code: SYS

Replaces certificate: R 60153663 0001.

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

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifizierungsstelle



Gergely Bakos

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Ihr Zeichen / Client Reference 1723920 **Unser Zeichen / Our Reference** HU220RQX 001 **Ausstellungsdatum / Date of issue** 2022-12-20

Technische Daten / Technical data

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

1808bA25ddddefgSYS, 1812bA25ddddefgSYS:

Ordering Information

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

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 (Y2)/305Vac 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

*** 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

SYS = 305 Vac X1, 250Vac Y2 Safety
Surge tested capacitors qualified only for use in equipment within the scope of IEC62368

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



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