

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

R 60188128 0001

Berichtsnummer *Report No.:*

HU263RRK 001

Genehmigungsinhaber *License Holder:*

Novacap, LLC
25111 Anza Drive
Valencia CA 91355
USA

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:

Capacitor
(Multi-Layer Ceramic Capacitor)

Product:
Modell:

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

Type:
Type designation(s) are listed on the next page(s)
Technische Daten:
Technical Data:

Rated voltage.....: 250 V a.c.
Rated frequency.....: 50/60 Hz
Dielectric class...: Class I (C0G)
Type code.....: LS
Class.....: X2
Cap. range.....: 1 nF - 2,2 nF

Trademark.....: knowles, NOVACAP

Gültig ab:
Valid from:
Zertifizierungsstelle:
Certification body:
Ausstellungsdatum: 2026-06-29

Date of issue:

Mózes Tibor



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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Fax: +49 221 806-3935

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Produkt *Product:*

Capacitor
(Multi-Layer Ceramic Capacitor)

Modell *Type:*

Bezeichnung *Designation:*
LS1812Naaab302NcdM

Type nomenclature

LS 1812 N aaa b ccc N d e M, where

- "LS" is the Style, means: X2
- "1812" is the Case size.
- "N" is the Dielectric, means: C0G
- "aaa" means the Capacitance value (in pF), can be:
 - Two significant figures • Number of zeros
 - (e.g. 121 = 120 pF)
- "b" means the Capacitance tolerance, can be:

Cr < 10pF	• B, means: ± 0.10 pF	• C, means: ± 0.25 pF	• D, means: ± 0.5 pF
Cr $\geq$ 10pF	• F, means: $\pm 1\%$	• G, means: $\pm 2\%$	• J, means: $\pm 5\%$
	• K, means: $\pm 10\%$	• M, means: $\pm 20\%$	
- "ccc" means the Voltage surge (in V), can be:
 - Two significant figures • Number of zeros
 - (e.g. 302 = 3000 V)
- "N" is the Termination, means: Nickel Barrier
- "d" means the Thickness, can be:
 - Blank, means: standard thickness
 - X, means special thickness:

• X080 = 0.08"	• X100 = 0.10"
• X110 = 0.11"	• X150 = 0.15"
- "e" means the Packaging, can be:
 - No suffix, means: Bulk
 - T, means: Tape & Reel
- "M" is the Marking code, means NLS (X2)
(Marking code to consist of Novacap logo (N), and LS to define the class.)

