



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

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IECQ Certificate of Conformity Qualification

IECQ Certificate No.: **IECQ-C BSI 14.0019**

Issue No.: **11**

Status: **Current**

Supersedes: **IECQ-C BSI 14.0019 Issue 10**

Issue date: **2026-07-31** Initial: **2014-07-10**

CB Reference No.: **E1290/F**

Expiration: **2029-02-01**

Applicant: **Knowles Electronics (Suzhou) Co. Ltd**

No. 20 Chunxing Road, Xiangcheng Economic Development District, Suzhou, Jiangsu, 215131, China

The organization has developed and implemented procedures and related processes that have been assessed by the IECQ Conformity Assessment Body in accordance with IECQ 03-1 and IECQ 03-3 for issuance of this certificate and found to be in conformity with the applicable requirements of the IECQ Approved Component Scheme and in respect of standard(s) or specification(s):

- **IECQ QC 32100-A001 {ed.5, May 2022}** Assessment Specification for Multilayer Ceramic Capacitors: C0G, dielectric constant range 10 – 100, and X7R, dielectric constant range 1000 - 4000
- **IECQ QC 32100-C001 {ed.4, May 2022}** Component Specification for Multilayer Ceramic Capacitors: C0G, dielectric constant range 10 – 100, and X7R, dielectric constant range 1000 - 4000

Process Manual Reference: 1-QM0101G Rev.

-- Attached plan(s): none

Details of Components/Assemblies/Materials:

Fixed multilayer ceramic chip capacitors: C0G – Ultra Stable Class I and X7R – Stable Class II

Rated capacitance range: 220nF maximum (Class I): 6.8μF maximum (Class II)

Capacitance Tolerances: ± 0.1pF, ± 0.25pF, ± 0.5pF (Class I Cr < 10pF)

± 1%, ± 2%, ± 5%, ± 10% (Class I Cr ≥ 10pF)

± 5%, ± 10%, ± 20% (Class II)

Rated Voltages: 16V, 25V, 50/63V, 100V, 200/250V, 500V, 1kV

Case size: 0603, 0805, 0907, 1206, 1210, 1808, 1812, 2220, 2225. Climatic Category: 55/125/56

-- Attached schedule(s): E1290_F Issue 11 scope_1.pdf

Issued by:

BSI

Kitemark Court, Davy Avenue
Knowlhill, MK5 8PP, Milton Keynes, United Kingdom

<https://www.bsigroup.com/>



Authorised person: Shahm Barhom



The validity of this certificate is maintained through on-going surveillance audits by the IECQ CB issuing this certificate.
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Schedule of Scope to Certificate of Conformity **Approved Component – Qualification Approval**

IECQ Certificate No.: IECQ-C BSI 14.0019

CB Certificate No.: E1290/F

Schedule Number: IECQ-C BSI 14.0019-S

Rev No.: 11

Revision Date: 03/06/2026

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Test Report Number:	Dated
201501	18 th August 2015
202201	15 th June 2022

Scope of Activity:

In respect of generic/sectional specification: BS EN 60384-1

IECQ-P BSI 13.0009 (M1043 IECQ)

R&D of Multilayer Ceramic Capacitors
Knowles (UK) Ltd
Hethel Engineering Centre
Chapman Way
Hethel
Norwich
NR14 8FB
United Kingdom

IECQ-P BSI 13.0009-01 (M1043-1 IECQ)

Design and Manufacturing, Test and Packing Operations, excluding Plating and Shipping:
Knowles Electronics (Suzhou) Co., Ltd
No. 20 Chunxing Road
Xiancheng Economic Development District
Suzhou, Jiangsu, 215131
China

IECQ-P BSI 13.0009-02 (M1043-2 IECQ)

Sales order processing, warehouse and distribution of fixed multilayer ceramic chip capacitors
Knowles Distribution Sdn Bhd
No.11 & 49, Jalan Batu Maung, Dis3plex Free Commercial Zone,
AirFreight Cargo Complex, Batu Maung,
Penang 11960,
Malaysia.

IECQ-P BSI 13.0009-03 (M1043-4 IECQ) Sub-contractor to Knowles Electronics (Suzhou) Co., Ltd

Plating of chip capacitor terminations
Gusu Electronics (Suzhou) Co., Ltd.
No.168, Fengbeidang Road
Beiqiao Sub-District
Xiangcheng
Suzhou
Jiangsu
China

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