



## IECQ Certificate of Conformity Qualification

IECQ Certificate No.:	IECQ-C BSI 14.0019	Issue No.:	9	Status:	Current
Supersedes:	<a href="#">IECQ-C BSI 14.0019 Issue 8</a>	Issue Date:	2023/03/15	Org Issue:	2014/07/10
CB Reference No.:	E1290/F	Expiration:	2026/02/01		

**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 which have been assessed by the IECQ Certification Body issuing this certificate and found to comply with the applicable requirements of the IECQ Approved Component Scheme "Qualification Approval" which is in accordance with the Basic Rules IECQ 01 "Rules of Procedure", IECQ 03-1 "IECQ General Requirements for all Schemes" and IECQ 03-3 Annex C "IECQ Approved Components Scheme" of the IEC Quality Assessment System for Electronic Component (IECQ), 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

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: IECQ-C BSI 14.0019-S Issue 9 schedule.pdf --

Issued by the Certification Body (CB): BSI

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

Authorized person:  
**Shahm Barhom**



The validity of this certificate is maintained through on-going surveillance audits by the IECQ CB issuing this certificate.

This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ System and its Schemes.

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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.: 9

Revision Date: 2023/03/15

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Test Report Number:	Dated
201501	18 <sup>th</sup> August 2015
202201	15 <sup>th</sup> June 2022

Scope of Activity:

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

**IECQ-P BSI 13.0009 (M1043 IECQ)**

Sales and 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 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)**

Shipping Hub Activities for Knowles Products  
Knowles IPC (M) Sdn Bhd  
11, 49, 51, Jalan Batu Maung, Dis3plex Free Commercial Zone,  
Airfreight Forwarders Warehousing, Cargo Complex  
11960 Penang  
Malaysia

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

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

This schedule is only valid in conjunction with the referenced Certificate of Approval

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**BSI, Kitemark Court Davy Avenue Knowlhill Milton Keynes MK5 8PP UK**

