

Certificate

Certificate no.

CU 50713887 0001

License Holder:

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

Manufacturing Plant:

Knowles Electronics (Suzhou) Co., Ltd.
Road Suhong 179#,
Suzhou Industrial Park
Jiangsu
P.R. China

Report Number: GB26GCL2 001

Client Reference:

Certification acc. to: UL 60384-14:2025
CSA E60384-14:14 (R2023)

Product Information

Certified Product: Multi-Layer Ceramic Capacitor

Model Designation: 3825' 'bbb' 'cccc' 'd' 'e' 'f' 'ggg' '****'
(a,b,c,d,e,f,g,* are variables, see details below)
'a' defines Termination:
Y: FlexiCap termination base with Ni Barrier (100% matte tin plating).RoHS compliant.
'bbb' defines Voltage:
A31 = 310Vac (Y2), 310Vac (X1)
A44 = 440Vac (Y2), 440Vac (X1)
A50 = 500Vac (Y2), 520Vac (X1)
A50 = 500Vac (Y2), 660Vac (X1)
Actual X1 rating is determined by Y2 rating, case size and capacitance.
'cccc' defines Capacitance value:
First Digit: 0 (or if cap < 10pF, first significant of cap value)
Second Digit: First significant figure of capacitance value (or if cap < 10pF, "P" to signify of picofarads)
Third Digit: Second significant figure of capacitance value
Fourth Digit: Number of zeros following. E.g. 0102 = 1000pF
'd' defines Capacitance Tolerance Code Stable Class (X7R), :
J: ±5% K: ±10%M: ±20%
'e' defines Dielectric/Release Codes: J: X7R; S: X7R AECQ
'f' defines Packaging: *: Refer to Knowles datasheet for specific packaging codes
'ggg' is a Suffix:
SYX: Class Y2/X1 Safety Surge Protection
'****' Represents a three-character suffix code, which will be allocated by Knowles when needed for specific customer requirements.

TUV Rheinland of North America, Inc.
400 Beaver Brook Rd, Boxborough, MA 01719
Tel +1 (978) 266 9500, Fax +1 (978) 266-9992

www.tuv.com

 TÜVRheinland®

Certificate

Certificate no.

CU 50713887 0001

License Holder:

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

Manufacturing Plant:

Knowles Electronics (Suzhou) Co., Ltd.
Road Suhong 179#,
Suzhou Industrial Park
Jiangsu
P.R. China

Technical Data:

Rated Voltage : 1) 310Vac (Y2), 310Vac (X1), 1500Vdc
2) 440Vac (Y2), 440Vac (X1), 1500Vdc
3) 500Vac (Y2), 520Vac (X1), 1500Vdc
4) 500Vac (Y2), 660Vac (X1), 1500Vdc
Class : Y2/X1
Frequency : 50/60Hz
Rated capacitance : 1) 15nF;16nF;18nF
2) 10nF;11nF;12nF
3) 5,6nF;6,2nF;6,8nF;7,5nF;8,2nF
4) 1nF;1,1nF;1,2nF;1,3nF;1,5nF;1,6nF;
1,8nF;2,0nF;2,2nF;2,4nF;2,7nF;3,0nF;
3,3nF;3,6nF;3,9nF;4,3nF;4,7nF

Capacitance tolerance : J: $\pm 5\%$; K: $\pm 10\%$; M: $\pm 20\%$
Climatic category : 55/125/56

Remarks:

N/A

Appendix:

1,0



Date of issue:

2026-02-13
(yr/mo/day)

TUV Rheinland of North America, Inc.
400 Beaver Brook Rd, Boxborough, MA 01719
Tel +1 (978) 266 9500, Fax +1 (978) 266-9992

www.tuv.com

 TÜVRheinland®