



## IECQ Certificate of Conformity Distributor

|                              |  |                    |                   |                   |                   |
|------------------------------|--|--------------------|-------------------|-------------------|-------------------|
| <b>IECQ Certificate No.:</b> | <b>IECQ-P BSI 14.0013</b>                  | <b>Issue No.:</b>  | <b>4</b>          | <b>Status:</b>    | <b>Current</b>    |
| <b>Supersedes:</b>           | <a href="#">IECQ-P BSI 14.0013 Issue 3</a> | <b>Issue Date:</b> | <b>2018/06/15</b> | <b>Org Issue:</b> | <b>2004/06/15</b> |
| <b>CB Reference No.:</b>     | <b>D2009 IECQ Issue 15</b>                 | <b>Expiration:</b> | <b>2020/08/31</b> |                   |                   |

**TTI Inc**  
 Ganghoferstr. 34  
 Maisach-Gernlinden  
 82216  
 Germany

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 Process Scheme which is in accordance with the Basic Rules IECQ 01 "Rules of Procedure", IECQ 03-1 "IECQ General Requirements for all Schemes" & IECQ 03-2 "IECQ Approved Process Scheme" of the IEC Quality Assessment System for Electronic Components (IECQ), and in respect of standard(s) or specification(s):

- For a complete list of standards and specifications see the attached schedule of scope.

**Process Manual Reference:** .

**Scope of Activity:**

**Distributor of electronic components**

-- Attached Schedule: D2009 IECQ scope issue 15.pdf --

**Issued by the Certification Body: BSI**

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

**Authorized person:**  
**Paul Turner**

*PT* \_\_\_\_\_



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 This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ System and its Schemes.  
 This certificate and any schedule(s) may only be reproduced in full.  
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# IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,  
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit [www.iecq.org](http://www.iecq.org)

## Schedule of Scope to Certificate of Conformity

### Approved Process - Distributor

IECQ Certificate No.: IECQ-P BSI 14.0013

CB Certificate No.: D2009 IECQ

Schedule Number: IECQ-P 14.0013-S

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| Component Type(s)  | Generic Specification | Certificate number                                  | Authorized Approved Source(s) |
|--|-----------------------|---|-------------------------------|
| Fixed multilayer ceramic chip capacitor                    | CECC 32 101-801       | 08-001  | TPC                           |
| Tantalum Electrolytic polar solid electrolyte terminations | CECC 30 201-032       | E1256/F   | AVX                           |
| Fixed capacitors, multilayer ceramic dielectric Class 1B   | CECC 30 601-009       | E0271/F   | AVX                           |
| Fixed capacitors, multilayer ceramic dielectric Class 2C1  | CECC 30 701-007       | E0274/F   | AVX                           |
| Fixed capacitor, multilayer ceramic dielectric Class 2C1   | CECC 30 701-801       | E0522/N   | AVX                           |
| Tantalum Capacitors Surface Mount Style 1                  | BS CECC 30 801-005    | E1058/F   | AVX                           |
| Tantalum Capacitor – Chip Style 1                          | BS CECC 30 801-011    | E1228/F   | AVX                           |
| Fixed low power non-wirewound resistor – insulated         | CECC 40 101-004       | E0098/N<br>E0224/N<br>E0225/N<br>E0226/N<br>E0242/N | Welwyn Components             |
| Fixed low power non-wirewound resistor – insulated         | CECC 40 101-019       | E0182/N<br>E0198/N                                  | Welwyn Components             |
| Fixed low power non-wirewound resistor                     | CECC 40 101-803       | E0193/N<br>E0199/N                                  | Welwyn Components             |
| Fixed low power non-wirewound resistor                     | CECC 40 101-804       | E0228/N<br>E0229/N                                  | Welwyn Components             |
| Fixed power wirewound non-insulated resistor               | CECC 40 201-002       | E0095/N<br>E0096/N<br>E0099/N                       | Welwyn Components             |

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|---|---------------------------------------|--|-------------------------------|
| Fixed power wirewound insulated resistor                            | CECC 40 203-006                       | E1163/F<br>E1164/F<br>E1165/F<br>E1166/F | Welwyn Components             |
| Fixed low power non-wirewound resistor                              | CECC 40 401-003                       | E1150/F<br>E1151/F                       | Welwyn Components             |
| Fixed low power non-wirewound surface mounting (chip) resistors     | CECC 40 401-004                       | E1267/F<br>E1268/F                       | Welwyn Components             |
| Fixed low power non-wirewound resistor                              | CECC 40 401-008                       | E1205/F<br>E1206/F<br>E1270/F<br>E1271/F | Welwyn Components             |
| Fixed power resistors wirewound – Class 5                           | CECC 40 201-801                       | 40016957                                 | Vishay Electronic GmbH        |
| Tantalum capacitors with solid electrolyte, porous anode.           | BS CECC 30 201-001<br>CECC 30 201-029 | 04-002                                   | Vishay                        |
| Tantalum capacitors with solid electrolyte, porous anode.           | CECC 30 201-002                       | 04-003                                   | Vishay                        |
| Tantalum capacitors with solid electrolyte, porous anode.           | CECC 30 201-005                       | 04-001                                   | Vishay                        |
| Fixed capacitor, tantalum electrolytic                              | BS CECC 30 202-001                    | 03-004                                   | Vishay                        |
| Fixed tantalum capacitors with non-solid electrolyte, porous anode. | BS CECC 30 202-001<br>CECC 30 202-801 | 05-002                                   | Vishay                        |
| Fixed capacitor, tantalum electrolytic                              | CECC 30 202-002                       | 01-010                                   | Vishay                        |
| Fixed tantalum capacitors with solid electrolyte, porous anode.     | CECC 30 202-004                       | 05-004                                   | Vishay                        |

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|---|---|--------------------|-------------------------------|
| Fixed capacitor, tantalum electrolytic                              | BS CECC 30 202-005  | 03-005             | Vishay                        |
| Fixed tantalum capacitors with non-solid electrolyte, porous anode. | CECC 30 202-005<br>CECC 30 202-801  | 05-003             | Vishay                        |
| Fixed tantalum capacitors with non-solid electrolyte, porous anode. | CECC 30 202-801   | 05-005             | Vishay                        |
| Fixed power resistors wirewound vitreous enamel                     | CECC 40 201-801   | 40016957           | Vishay                        |
| Resistors, fixed chip   | DIN EN 140401-802<br>DIN EN 60115-1<br>DIN EN 60115-8<br>DIN EN 140400            | 40008435           | Vishay                        |
| Fixed Resistors   | DIN EN 140401-801<br>DIN EN 60115-1<br>DIN EN 60115-8<br>EN 60115-1<br>EN 60115-8 | 40013252           | Vishay                        |
| Fixed Resistors   | DIN EN 140401-801<br>DIN EN 60115-1<br>DIN EN 60115-8<br>EN 60115-1<br>EN 60115-8 | 40024341           | Vishay                        |
| Tantalum chip capacitors  | BS CECC 30 801-005<br>CECC 30 801-009   | 97-043             | Vishay                        |
| Multilayer ceramic capacitors                                       | QC 32100-A001<br>QC 32100-C001  | E1290/F            | Knowles Electronics (Suzhou)  |

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|--|-----------------------|--------------------|-------------------------------|
| Tantalum capacitors with solid electrolyte and porous anode                  | CECC 30 201-002       | 97-012             | Exxelia Tantalum              |
| Tantalum capacitors with solid electrolyte and porous anode                  | CECC 30 201-005       | 97-015             | Exxelia Tantalum              |
| Tantalum capacitors with solid electrolyte and porous anode                  | CECC 30 201-019       | 97-016             | Exxelia Tantalum              |
| Tantalum capacitors with solid electrolyte and porous anode                  | CECC 30 201-025       | 97-017             | Exxelia Tantalum              |
| Tantalum capacitors with solid electrolyte                                   | CECC 30 201-040       | 89-035             | Exxelia Tantalum              |
| Tantalum surface mounting capacitors with solid electrolyte and porous anode | CECC 30 801-013       | 93-062             | Exxelia Tantalum              |

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