



CERTIFICATE OF COMPLIANCE - RoHS Declaration

All parts listed below are RoHS compliant and meet the requirements of the RoHS Directive 2011/65/EU and Directive (EU) 2015/863.

| Material / Substance | Threshold Level |
|---|-----------------|
| Cadmium/Cadmium compounds | <100 ppm |
| Hexavalent Chromium/Hexavalent Chromium compounds | <1000 ppm |
| Lead/Lead compounds | <1000 ppm |
| Mercury/Mercury compounds | <1000 ppm |
| Polybrominated Biphenyls (PBBs) | <1000 ppm |
| Polybrominated Diphenylethers (PBDEs) | <1000 ppm |
| Bis(2-Ethylhexyl) phthalate (DEHP) | <1000 ppm |
| Benzyl butyl phthalate (BBP) | <1000 ppm |
| Dibutyl phthalate (DBP) | <1000 ppm |
| Diisobutyl phthalate (DIBP) | <1000 ppm |

The part numbers listed below will not exceed the above limits.

Part Numbers:

| CTS Part Number | Part Description |
|------------------|--------------------|
| CA70 series | Clock - Automotive |
| CA50 series | Clock - Automotive |
| CA32 series | Clock - Automotive |
| CA25 series | Clock - Automotive |
| CA20 series | Clock - Automotive |
| CHT70 series | Clock - Industrial |
| CHT50 series | Clock - Industrial |
| CHT32 series | Clock - Industrial |
| CHT25 series | Clock - Industrial |
| CHT20 series | Clock - Industrial |
| CB1V8 series | Clock Oscillator |
| CB2V5 series | Clock Oscillator |
| CB3/CB3LV series | Clock Oscillator |
| MXO45 series | Clock Oscillator |
| MXOHT series | Clock Oscillator |
| TC series | Clock Oscillator |
| 625 series | Clock Oscillator |
| 626 series | Clock Oscillator |
| 632 series | Clock Oscillator |
| 633 series | Clock Oscillator |
| 634 series | Clock Oscillator |

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| 635 series | Clock Oscillator |
| 636 series | Clock Oscillator |
| 637 series | Clock Oscillator |
| 638 series | Clock Oscillator |
| 643H series | Clock Oscillator |
| 645H series | Clock Oscillator |
| 647H series | Clock Oscillator |
| 653 series | Clock Oscillator |
| 654 series | Clock Oscillator |
| 655 series | Clock Oscillator |
| 656 series | Clock Oscillator |
| 658 series | Clock Oscillator |
| CP5 series | Programmable Oscillator |
| CP7 series | Programmable Oscillator |
| HS164 | Crystal - Industrial |
| HS204 | Crystal - Industrial |
| HS254 | Crystal - Industrial |
| HS324 | Crystal - Industrial |
| HS532 | Crystal – Industrial |
| HS534 | Crystal – Industrial |
| HTA Series | High Temperature Quartz Crystal |
| ATS/ATS-SM series | Quartz Crystal |
| ATSSM GL series | Quartz Crystal |
| ATSSM LP series | Quartz Crystal |
| ATSSM TS series | Quartz Crystal |
| MP series | Quartz Crystal |
| 402/402W series | Quartz Crystal |
| 403/403W series | Quartz Crystal |
| 405/435 series | Quartz Crystal |
| 406 series | Quartz Crystal |
| 407 series | Quartz Crystal |
| 412/412W series | Quartz Crystal |
| 416/416W series | Quartz Crystal |
| 425/425W series | Quartz Crystal |
| SA164 series | Quartz Crystal |
| SA204 series | Quartz Crystal |
| SA254 series | Quartz Crystal |
| SA324 series | Quartz Crystal |
| SA532 series | Quartz Crystal |
| SA534 series | Quartz Crystal |
| 520 series | Temperature Compensated Crystal Oscillator |
| 525 series | Temperature Compensated Crystal Oscillator |
| 532 series | Temperature Compensated Crystal Oscillator |
| 533 series | Temperature Compensated Crystal Oscillator |
| 535 series | Temperature Compensated Crystal Oscillator |
| 536 series | Temperature Compensated Crystal Oscillator |
| 578 series | Temperature Compensated Crystal Oscillator |

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| 575 series | Temperature Compensated Crystal Oscillator |
| 576 series | Temperature Compensated Crystal Oscillator |
| 579 series | Temperature Compensated Crystal Oscillator |
| 580 series | Temperature Compensated Crystal Oscillator |
| 581 series | Temperature Compensated Crystal Oscillator |
| 585 series | Temperature Compensated Crystal Oscillator |
| 586 series | Temperature Compensated Crystal Oscillator |
| 588 series | Temperature Compensated Crystal Oscillator |
| 589 series | Temperature Compensated Crystal Oscillator |
| TT32 series | Temperature Compensated Crystal Oscillator |
| TF16 | Tuning Fork Crystal |
| TF20 | Tuning Fork Crystal |
| TF32 | Tuning Fork Crystal |
| TF415 | Tuning Fork Crystal |
| TF519 | Tuning Fork Crystal |
| TFA16 | Tuning Fork Crystal |
| TFA20 | Tuning Fork Crystal |
| TFA32 | Tuning Fork Crystal |
| TFE16 | Tuning Fork Crystal |
| TFE20 | Tuning Fork Crystal |
| TFE32 | Tuning Fork Crystal |
| 315 series | Voltage Controlled Crystal Oscillator |
| 317 series | Voltage Controlled Crystal Oscillator |
| 325 series | Voltage Controlled Crystal Oscillator |
| 334 series | Voltage Controlled Crystal Oscillator |
| 335 series | Voltage Controlled Crystal Oscillator |
| 345 series | Voltage Controlled Crystal Oscillator |
| 347 series | Voltage Controlled Crystal Oscillator |
| 353 series | Voltage Controlled Crystal Oscillator |
| 356 series | Voltage Controlled Crystal Oscillator |
| 357 series | Voltage Controlled Crystal Oscillator |
| 358 series | Voltage Controlled Crystal Oscillator |
| 375 series | Voltage Controlled Crystal Oscillator |
| 377 series | Voltage Controlled Crystal Oscillator |

The signature below verifies that the statements above are valid and accurate.

Signature: _____

Date: Sep 29, 2020

Name: YM Sun

Title: Product Engineer