



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC14001104738

Valid from: Nov.10,2022

Valid until: Nov.09,2027

**NAME AND REGISTERED  
ADDRESS OF THE APPLICANT**

CT Micro International Corporation  
Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112

**NAME AND REGISTERED  
ADDRESS OF THE  
MANUFACTURER**

CT Micro International Corporation  
Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112

**NAME AND LOCATION  
OF THE FACTORY**

Xiamen Harvatek Opto Electronic Limited  
Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial  
Development Zone,Xiamen

**PRODUCT NAME, MODEL  
AND SPECIFICATION**

Optocoupler  
CTW4504, CTW2601, CTW250, CTW251, CTW351, CTW352, CTW3140, CTW3142,  
CTW3143, CTW3150, CTW3180, CTW3182, CTW3184, CTW135, CTW136, CTW137,  
CTW138, CTW139, CTW3120, CTW4503,CTW4502 Reinforced insulation, Internal  
Creepage >7.1mm, External creepage ≥12.0mm, Distances through insulation ≥0.4mm, altitude up  
to 5000m

**THE STANDARDS AND  
TECHNICAL REQUIREMENTS  
FOR THE PRODUCTS**

GB 4943.1-2022

**TYPE OF CERTIFICATION  
SCHEMES**

Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Jan.26,2014

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC14001104779

Valid from: Nov.10,2022

Valid until: Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>See appendix(Altitude up to 5000m)                                                                                                           |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Follow up Factory Inspection                                                                                                      |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Jan.26,2014

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

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SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC14001104779

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

**CT521-2XNF(V)(Y)(Z)-HG**、**CTR21XNF(V)(Y)(Z)-8L-HG**、**CTR41XNF(V)(Y)(Z)-8L-HG**、**CTTX2NF(V)(Y)(Z)-HG**、**CT82XNF(V)(Y)(Z)-HG**、**6N13XNF(V)(Y)(Z)-HG**、**CT22XNF(V)(Y)(Z)-HG**、**CT25XNF(V)(Y)(Z)-HG**、**CT26XNF(V)(Y)(Z)-HG**、**CT27XNF(V)(Y)(Z)-HG**、**CT45XNF(V)(Y)(Z)-HG**

在产品外包装的标签上,体现如下所示的完整型号,型号中的变量解释如下:

X表示产品规格选型,可能是字母A-Z或数字0-9或是空白。

N表示产品等级选项,可能是字母A-Z或数字0-9或是空白。

F表示产品测试条件选项,可能是字母A-Z或数字0-9的组合,或是空白。例:(A),(A9),(8G),(BL),(GB),(7)…等。

(V)表示为VDE SAFETY选项,可能是字母(V),或是空白。

(Y)表示引脚脚型选项,可能是(S)表面安装型、(SL)低立高表面安装型、(M)宽引脚间距、(SM)宽引脚表面安装型、(SLM)宽引脚低立高之表面安装型,或空白(DIP)。空间距离:S、SL、DIP>7.5mm, M、SM、SLM>8.0mm。

(Z)为出货包装方式,表示为编带、卷轴或料管选型,可能是字母A-Z及数字0-9的代码组合或空白,如(T1),(T2),(T3),(Y1),(Y6),(Y8)…

H表示为导线支架材质,可能是字母A-Z或空白(铜材)

G表示为符合法规规范的材料,可能是字母A-Z,或空白(未要求法规物质含量)。如G(符合卤素规范)、O(符合臭氧层破坏物质规范)…等。

其中”-“用于区分前字段和后字段,无任何意义,因打印系统硬件限制,”-“可能会被省略。

加强绝缘认证,外部爬电距离:  $\geq 7.4\text{mm}$ , 穿透绝缘距离:  $\geq 0.4\text{mm}$ , 通过了  $110^{\circ}\text{C}$  的热循环试验,适用于海拔 5000 米及以下。



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC14001104780

Valid from: Nov.10,2022

Valid until: Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>see annex                                                                                                                                    |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection                                                                         |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Jan.26,2014

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC14001104780

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

CTS70(X1)(X2)(X3)(V)(Y)(Z)-W-HG, CTS34(X1)(X2)(X3)(V)(Y)(Z)-W-HG,  
CTS31(X1)(X2)(X3)(V)(Y)(Z)-W-HG, CTS45(X1)(X2)(X3)(V)(Y)(Z)-W-HG,  
CTS60(X1)(X2)(X3)(V)(Y)(Z)-W-HG, CTS61(X1)(X2)(X3)(V)(Y)(Z)-W-HG,  
CTS48(X1)(X2)(X3)(V)(Y)(Z)-W-HG,

The follow part number will be shown in label on the shipping box. The variable is as below:

- I. (X1) denote product type option. It could be any alphanumeric character or blank.
- II. (X2) denote binning rank option. It could be any alphanumeric character or blank.
- III. (X3) denote test condition option. It could be combination of alphabet, number, or blank. Example (A), (A5), (5A), (BL), (GB), (8)...etc.
- IV. (V) denote VDE safety mark option. It could be (V) or Blank.
- V. (Y) denote leadframe forming option. It could be (M), (SLM), or Blank.
- VI. (Z) denote type of package option. it could be a combination of alphabet and number, or blank. Example (T1), (T2), (T3), (k1), (M9), (A6)...etc.
- VII. W denote package code. It could be W, or blank.
- VIII. H denote leadframe material option. It could be any alphabet or blank.
- IX. G denote Regulations material used option. It could be any alphabet or blank (Unspecified demand). Example G (compliance Halogen Free), O (compliance Ozone Depleting Substances)...etc.

The character " ( ", ")", and "- " does not mean anything. The characters could be omission due to some of computer or print system restrictions apply.

Reinforced Insulation confirmed, thermal cycling test with 110°C. D.T.I.  $\geq 0.4\text{mm}$ , Ext. Creepage  $\geq 8.0\text{mm}$ . Altitude up to 5000m.



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC14001104781

Valid from: Nov.10,2022

Valid until: Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>See Appendix(Altitude up to 5000m)                                                                                                           |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Follow up Factory Inspection                                                                                                      |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Jan.26,2014

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

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CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC14001104781

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

CT30XNF(V)(Y)(Z)-4L-HG、CT40XNF(V)(Y)(Z)-4L-HG、CT81XNF(V)(Y)(Z)-HG、  
CT85XNF(V)(Y)(Z)-HG、CT2501XNF(V)(Y)(Z)-HG、CT2561XNF(V)(Y)(Z)-HG、CT61XNF(V)(Y)(Z)-HG、  
CT52XNF(V)(Y)(Z)-HG、CT78XNF(V)(Y)(Z)-HG、CTR21XNF(V)(Y)(Z)-4L-HG、  
CTR41XNF(V)(Y)(Z)-4L-HG、CTR13XNF(V)(Y)(Z)-4L-HG、CTR22XNF(V)(Y)(Z)-4L-HG、  
CTR24XNF(V)(Y)(Z)-4L-HG、CTR35XNF(V)(Y)(Z)-4L-HG、CTR42XNF(V)(Y)(Z)-4L-HG  
在产品外包装的标签上,体现如下所示的完整型号,型号中的变量解释如下:

- I. X表示产品规格选型,可能是字母A-Z或数字0-9或是空白。
  - II. N表示产品等级选项,可能是字母A-Z或数字0-9或是空白。
  - III. F表示产品测试条件选项,可能是字母A-Z或数字0-9的组合,或是空白。例:A),(A9),(8G),(BL),(GB),(7)...等。
  - IV. (V)表示为VDE SAFETY选项,可能是字母(V),或是空白。
  - V. (Y)表示引脚脚型选项,可能是(S)表面安装型、(SL)低立高表面安装型、(M)宽引脚间距、(SM)宽引脚表面安装型、(SLM)宽引脚低立高之表面安装型,或空白(DIP)。空间距离:空白(DIP)、S、SL>7.3mm,M、SM、SLM≥8.0mm。
  - VI. (Z)为出货包装方式,表示为编带、卷轴或料管选型,可能是字母A-Z及数字0-9的代码组合或空白,如(T1),(T2),(T3),(Y1),(Y6),(Y8)...
  - VII. H表示为导线支架材质,可能是字母A-Z或空白(铜材)
  - VIII. G表示为符合法规规范的材料,可能是字母A-Z,或空白(未要求法规物质含量)。如G(符合卤素规范)、O(符合臭氧层破坏物质规范)...等。
- 其中“-”用于区分前字段和后字段,无任何意义,因打印系统硬件限制,“-”可能会被省略。  
加强绝缘,外部爬电距离:DIP型、S型、SL型>7.3mm M型、SLM型≥8.0mm,内部穿透距离(绝缘厚度)≥0.4mm,通过热循环测试,仅适用于海拔5000米及以下



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC14001105802

Valid from: Nov.10,2022

Valid until: Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>See Appendix(Altitude up to 5000m)                                                                                                           |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection                                                                         |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Mar.19,2014

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦

CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC14001105802

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

CT30XNF(V)(Y)(Z)-5L-HG、CT40XNF(V)(Y)(Z)-5L-HG、CT30XNF(V)(Y)(Z)-HG、CT40XNF(V)(Y)(Z)-HG、  
4N2XNF(V)(Y)(Z)-HG、4N3XNF(V)(Y)(Z)-HG、H11B XNF(V)(Y)(Z)-HG、TIL113(V)(Y)(Z)-HG、  
H11A XNF(V)(Y)(Z)-HG、CNY17X- NF(V)(Y)(Z)-HG、H11L XNF(V)(Y)(Z)-HG、  
CTR10XNF(V)(Y)(Z)-6L-HG、CTR11XNF(V)(Y)(Z)-6L-HG、CTR12XNF(V)(Y)(Z)-6L-HG、  
CTR13XNF(V)(Y)(Z)-6L-HG、CTR14XNF(V)(Y)(Z)-6L-HG、CTR15XNF(V)(Y)(Z)-6L-HG、  
CTR16XNF(V)(Y)(Z)-6L-HG、CTR17XNF(V)(Y)(Z)-6L-HG、CTR18XNF(V)(Y)(Z)-6L-HG、  
CTR19XNF(V)(Y)(Z)-6L-HG、CTR20XNF(V)(Y)(Z)-6L-HG、CTR21XNF(V)(Y)(Z)-6L-HG、  
CTR22XNF(V)(Y)(Z)-6L-HG、CTR23XNF(V)(Y)(Z)-6L-HG、CTR25XNF(V)(Y)(Z)-6L-HG、  
CTR35XNF(V)(Y)(Z)-6L-HG、CTR41XNF(V)(Y)(Z)-6L-HG、CTR45XNF(V)(Y)(Z)-6L-HG、  
CTR59XNF(V)(Y)(Z)-6L-HG、CTR70XNF(V)(Y)(Z)-6L-HG、CTR71XNF(V)(Y)(Z)-6L-HG、  
CTR79XNF(V)(Y)(Z)-6L-HG、CTR21XNF(V)(Y)(Z)-6L-HG、CTR41XNF(V)(Y)(Z)-6L-HG

(在产品外包装的标签上,体现如下所示的完整型号,型号中的变量解释如下: I. X 表示产品规格选型,可能是字母 A-Z 或数字 0-9 或是空白。 II. N 表示产品等级选项,可能是字母 A-Z 或数字 0-9 或是空白。 III. F 表示产品测试条件选项,可能是字母 A-Z 或数字 0-9 的组合,或是空白。例: (A), (A9), (8G), (BL), (GB), (7)...等。 IV. (V) 表示为 VDE SAFETY 选项,可能是字母(V),或是空白。 V. (Y) 表示引脚脚型选项,可能是 (S) 表面安装型、(SL) 低立高表面安装型、(M) 宽引脚间距、(SM) 宽引脚表面安装型、(SLM) 宽引脚低立高之表面安装型,或空白 (DIP)。 VI. (Z) 为出货包装方式,表示为编带、卷轴或料管选型,可能是字母 A-Z 及数字 0-9 的代码组合或空白,如(T1), (T2), (T3), (Y1), (Y6), (Y8)... VII. 6L 表示为产品封装代码,可能是 6L, 5L, W, B 或空白。 VIII. H 表示为导线支架材质,可能是字母 A-Z 或空白(铜材) IX. G 表示为符合法规规范的材料,可能是字母 A-Z, 或空白(未要求法规物质含量)。如 G(符合卤素规范)、O(符合臭氧层破坏物质规范)...等。其中“-“用于区分前字段和后字段,无任何意义,因打印系统硬件限制,“-“可能会被省略。

此产品为加强绝缘,外部爬电距离: >7.5mm, 穿透绝缘距离: ≥0.4mm,

通过了 125°C 的热循环试验,适用于海拔 5000 米及以下)



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC14001105803

Valid from: Mar.17,2023

Valid until:Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>See appendix(Reinforced insulation,Altitude up to 2000m)                                                                                     |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Follow up Factory Inspection                                                                                                      |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Mar.19,2014

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谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC14001105803

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

CT35(X1)(X2)(X3)(V)(Z)-HG, CT41(X1)(X2)(X3)(V)(Z)-HG, CT45(X1)(X2)(X3)(V)(Z)-HG,  
CT12(X1)(X2)(X3)(V)(Z)-HG, CT270(X1)(X2)(X3)(V)(Z)-HG, CT18(X1)(X2)(X3)(V)(Z)-HG,  
CTR21(X1)(X2)(X3)(V)(Z)-M4-HG, CTR41(X1)(X2)(X3)(V)(Z)-M4-HG, CTR17(X1)(X2)(X3)(V)(Z)-M4-HG,  
CTR22(X1)(X2)(X3)(V)(Z)-M4-HG, CTR23(X1)(X2)(X3)(V)(Z)-M4-HG, CTR31(X1)(X2)(X3)(V)(Z)-M4-HG,  
CTM12(X1)(X2)(X3)(V)(Z)-HG, CTM39(X1)(X2)(X3)(V)(Z)-HG, CTM23(X1)(X2)(X3)(V)(Z)-HG,  
CTM11 (X1)(X2)(X3)(V)(Z)-HG, CTM30(X1)(X2)(X3)(V)(Z)-HG,  
CTM60(X1)(X2)(X3)(V)(Z)-HG, CTM61(X1)(X2)(X3)(V)(Z)-HG, CTM41(X1)(X2)(X3)(V)(Z)-HG,  
CTM45(X1)(X2)(X3)(V)(Z)-HG, CTM13(X1)(X2)(X3)(V)(Z)-HG,CTM109(X1)(X2)(X3)(V)(Z)-HG,

The follow part number will be shown in label on the shipping box. The variable is as below:

- I. (X1) denote product type option. It could be any alphanumeric character or blank.
- II. (X2) denote binning rank option. It could be any alphanumeric character or blank.
- III. (X3) denote test condition option. It could be combination of alphabet, number, or blank. Example (A), (A5), (5A), (BL), (GB), (8)...etc.
- IV. (V) denote VDE safety mark option. It could be (V) or Blank.
- V. (Z) denote type of package option. it could be a combination of alphabet and number, or blank. Example (T1), (T2), (T3), (k1), (M9), (A6)...etc.
- VI. M4 denote package code.
- VII. H denote leadframe material option. It could be any alphabet or blank.
- VIII. G denote Regulations material used option. It could be any alphabet or blank (Unspecified demand). Example G (compliance Halogen Free), O (compliance Ozone Depleting Substances)...etc.

The character " ( ", " ) " , and " - " does not mean anything. The characters could be omission due to some of computer or print system restrictions apply.

Reinforced Insulation confirmed, thermal cycling test with 125°C. D.T.I.  $\geq 0.4\text{mm}$ , Ext. Creepage  $\geq 5.0\text{mm}$ . Altitude up to 2000m.



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC15001123951

Valid from: Mar.17,2023

Valid until:Nov.09,2027

**NAME AND REGISTERED  
ADDRESS OF THE APPLICANT**

CT Micro International Corporation  
Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112

**NAME AND REGISTERED  
ADDRESS OF THE  
MANUFACTURER**

CT Micro International Corporation  
Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112

**NAME AND LOCATION  
OF THE FACTORY**

Xiamen Harvatek Opto Electronic Limited  
Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial  
Development Zone,Xiamen

**PRODUCT NAME, MODEL  
AND SPECIFICATION**

Optocoupler  
See appendix, Reinforced Insulation, External creepage distances  $\geq 5.0\text{mm}$ , Distances through  
insulation  $\geq 0.4\text{mm}$ , Pass the thermal cycling test with  $110^{\circ}\text{C}$ , Altitude up to 2000m.

**THE STANDARDS AND  
TECHNICAL REQUIREMENTS  
FOR THE PRODUCTS**

GB 4943.1-2022

**TYPE OF CERTIFICATION  
SCHEMES**

Type Testing of Product + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Apr.20,2015

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC15001123951

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

| Model                                                                                                                  | Internal creepage distances (mm) | External creepage distances (mm) | Distances through insulation (mm) |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| CTH29(X1)(X2)(X3)(V)(Z)-HG,<br>CTH28(X1)(X2)(X3)(V)(Z)-HG,<br>CT3H(X1)(X2)(X3)(V)(Z)-HG,<br>CTH21(X1)(X2)(X3)(V)(Z)-HG | N/A                              | $\geq 5.0$                       | $\geq 0.4$                        |

The follow part number will be shown in label on the shipping box. The variable is as below:

I. (X1) denote product type option. It could be any alphanumeric character or blank.

II. (X2) denote binning rank option. It could be any alphanumeric character or blank.

III. (X3) denote test condition option. It could be combination of alphabet, number, or blank. Example (A), (A5), (5A), (BL), (GB), (8)...etc.

IV. (V) denote VDE safety mark option. It could be (V) or Blank.

V. (Z) denote type of package option. it could be a combination of alphabet and number, or blank. Example (T1), (T2), (T3), (k1), (M9), (A6)...etc.

VI. H denote leadframe material option. It could be any alphabet or blank.

VII. G denote Regulations material used option. It could be any alphabet or blank (Unspecified demand). Example G (compliance Halogen Free), O (compliance Ozone Depleting Substances)...etc.

The character “(”, “)”, and “-” does not mean anything. The characters could be omission due to some of computer or print system restrictions apply.



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC17001173291

Valid from: Nov.10,2022

Valid until: Nov.09,2027

**NAME AND REGISTERED  
ADDRESS OF THE APPLICANT**

CT Micro International Corporation  
Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112

**NAME AND REGISTERED  
ADDRESS OF THE  
MANUFACTURER**

CT Micro International Corporation  
Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112

**NAME AND LOCATION  
OF THE FACTORY**

Xiamen Harvatek Opto Electronic Limited  
Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial  
Development Zone,Xiamen

**PRODUCT NAME, MODEL  
AND SPECIFICATION**

Optocoupler  
见附件, 规格: 加强绝缘, 外部爬电距离规格 (mm) > 8.0, 内部穿透距离 (绝缘厚度) 规格 (mm) > 0.4, 通过 125°C的热循环试验, 适用海拔 5000 米以下, 热带气候条件下

**THE STANDARDS AND  
TECHNICAL REQUIREMENTS  
FOR THE PRODUCTS**

GB 4943.1-2022

**TYPE OF CERTIFICATION  
SCHEMES**

Type Testing of Product + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Jul.04,2017

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC17001173291

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

型 号 : CT101XNF(V)(Z)-W-HG

在产品外包装的标签上,体现如下所示的完整型号,型号中的变量解释如下:

- 1) "X" 表示产品规格选型,可能是字母 A-Z 或数字 0-9 或是空白。
- 2) "N" 表示产品等级选项,可能是字母 A-Z 或数字 0-9 或是空白。
- 3) "F" 表示产品测试条件选项,可能是字母 A-Z 或数字 0-9 的组合,或是空白。例:(A), (A9), (8G), (BL), (GB), (7)...等。
- 4) "(V)" 表示为 VDE SAFETY 选项,可能是字母(V),或是空白。
- 5) "(Z)" 为出货包装方式,表示为编带、卷轴或料管选型,可能是字母 A-Z 及数字 0-9 的代码组合或空白,如(T1), (T2), (T3), (Y1), (Y6), (Y8)...
- 6) "W" 表示为产品封装代码,可能是 W, B 或空白。
- 7) "H" 表示为导线支架材质,可能是字母 A-Z 或空白(铜材)
- 8) "G" 表示为符合法规规范的材料,可能是字母 A-Z,或空白(未要求法规物质含量)。如 G(符合卤素规范)、O(符合臭氧层破坏物质规范)等。

其中 "-" 用于区分前字段和后字段,无任何意义,因打印系统硬件限制, "-" 可能会被省略。)

规格:外部爬电距离规格 (mm) > 8.0,内部穿透距离(绝缘厚度)规格 (mm) > 0.4,通过 125°C 的热循环试验,适用海拔 5000 米以下,热带气候条件下



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC19001231772

Valid from: Nov.10,2022

Valid until: Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>see annex. Altitude up to 2000 m.                                                                                                            |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Follow up Factory Inspection                                                                                                      |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Dec.19,2019

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001231772

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

CTH24XNF(V)(Z)-HG,  
CTH28XNF-4(V)(Z)-HG,  
CTH29XNF-4(V)(Z)-HG,  
CTHQ3HXNF(V)(Z)-HG,

在产品外包装的标签上,体现如下所示的完整型号,型号中的变量解释如下:

- I. X表示产品规格选型,可能是字母A-Z或数字0-9或是空白。
- II. N表示产品等级选项,可能是字母A-Z或数字0-9或是空白。
- III. F表示产品测试条件选项,可能是字母A-Z或数字0-9的组合,或是空白。例:(A), (A9), (8G), (BL), (GB), (7)...等。
- IV. (V)表示为 VDE SAFETY 选项,可能是字母(V),或是空白。
- V. (Z) 为出货包装方式,表示为编带、卷轴或料管选型,可能是字母 A-Z 及数字 0-9 的代码组合或空白,如(T1), (T2), (T3), (Y1), (Y6), (Y8)...
- VI. H表示为导线支架材质,可能是字母 A-Z 或空白(铜材)
- VII. G表示为符合法规规范的材料,可能是字母 A-Z,或空白(未要求法规物质含量)。如 G(符合卤素规范)、O(符合臭氧层破坏物质规范)...等。

其中“-”用于区分前字段和后字段,无任何意义,因打印系统硬件限制,“-”可能会被省略。

此为产品为加强绝缘认证,外部爬电距离:  $\geq 5.0\text{mm}$ , 穿透绝缘距离:  $\geq 0.4\text{mm}$ , 通过了

125°C的热循环试验,适用于海拔 2000 米及以下。



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC19001231773

Valid from: Nov.10,2022

Valid until: Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>see annex. Altitude up to 5000 m.                                                                                                            |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Follow up Factory Inspection                                                                                                      |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Dec.19,2019

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001231773

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

CTW20XNF(V)(Y)(Z)-HG (在产品外包装的标签上,体现如下所示的完整型号,型号中的变量解释如下: I. X表示产品规格选型,可能是字母 A-Z 或数字 0-9 或是空白。 II. N 表示产品等级选项,可能是字母 A-Z 或数字 0-9 或是空白。 III. F 表示产品测试条件选项,可能是字母 A-Z 或数字 0-9 的组合,或是空白。例:(A), (A9), (8G), (BL), (GB), (7)...等。 IV. (V)表示为 VDE SAFETY 选项,可能是字母(V),或是空白。 V. (Y)表示引脚脚型选项,可能是 (SL)低立高表面安装型、或空白(DIP),空间距离 $\geq 10\text{mm}$ 。 VI. (Z) 为出货包装方式,表示为编带、卷轴或料管选型,可能是字母 A-Z 及数字 0-9 的代码组合或空白,如(T1), (T2), (T3), (Y1), (Y6), (Y8)... VII. W 表示为产品封装代码,可能是 W, B 或空白。 VIII. H 表示为导线支架材质,可能是字母 A-Z 或空白(铜材)。 IX. G 表示为符合法规规范的材料,可能是字母 A-Z,或空白(未要求法规物质含量)。如 G(符合卤素规范)、O(符合臭氧层破坏物质规范)...等。其中“-”用于区分前字段和后字段,无任何意义,因打印系统硬件限制,“-”可能会被省略。此产品为加强绝缘认证,外部爬电距离: $\geq 10\text{mm}$ ,穿透绝缘距离: $\geq 1\text{mm}$ ,通过了 125°C 的热循环试验,适用于海拔 5000 米及以下)



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC19001231774

Valid from: Nov.10,2022

Valid until: Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>see annex. Altitude up to 5000 m.                                                                                                            |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Follow up Factory Inspection                                                                                                      |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Dec.19,2019

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001231774

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

CTR21XNF(V)(Y)(Z)-8L-HG, CTR22XNF(V)(Y)(Z)-8L-HG, CTR25XNF(V)(Y)(Z)-8L-HG, CTR35XNF(V)(Y)(Z)-8L-HG,  
CTR38XNF(V)(Y)(Z)-8L-HG, CTR40XNF(V)(Y)(Z)-8L-HG, CTR41XNF(V)(Y)(Z)-8L-HG, CTR42XNF(V)(Y)(Z)-8L-HG,  
CTR45XNF(V)(Y)(Z)-8L-HG, CTR61XNF(V)(Y)(Z)-8L-HG, CTR65XNF(V)(Y)(Z)-8L-HG, 6N13XNF(V)(Y)(Z)-W-HG,  
CT22XNF(V)(Y)(Z)-W-HG, CT25XNF(V)(Y)(Z)-W-HG, CT26XNF(V)(Y)(Z)-W-HG, CT27XNF(V)(Y)(Z)-W-HG,  
CT45XNF(V)(Y)(Z)-W-HG, CT47XNF(V)(Y)(Z)-W-HG, CT31XNF(V)(Y)(Z)-W-HG, CT35XNF(V)(Y)(Z)-W-HG, CT82XNF(V)(Y)(Z)-HG  
(在产品外包装的标签上,体现如下所示的完整型号,型号中的变量解释如下: I. X表示产品规格选型,可能是字母 A-Z 或数字 0-9 或是空白。 II. N 表示产品等级选项,可能是字母 A-Z 或数字 0-9 或是空白。 III. F 表示产品测试条件选项,可能是字母 A-Z 或数字 0-9 的组合,或是空白。例: (A), (A9), (8G), (BL), (GB), (7)...等。 IV. (V)表示为 VDE SAFETY 选项,可能是字母(V),或是空白。 V. (Y)表示引脚脚型选项,可能是(S)表面安装型、(SL)低立高表面安装型、(M)宽引脚间距、(SM)宽引脚表面安装型、(SLM)宽引脚低立高之表面安装型,或空白表示 (DIP) 直插式封装。空间距离: S、SL、DIP $\geq$ 7.5mm, M、SM、SLM $\geq$ 8.0mm。 VI. (Z) 为出货包装方式,表示为编带、卷轴或料管选型,可能是字母 A-Z 及数字 0-9 的代码组合或空白,如(T1), (T2), (T3), (Y1), (Y6), (Y8)... VII. H 表示为导线支架材质,可能是字母 A-Z 或空白(铜材)。 VIII. G 表示为符合法规规范的材料,可能是字母 A-Z, 或空白(未要求法规物质含量)。如 G(符合卤素规范)、O(符合臭氧层破坏物质规范)...等。其中“-”用于区分前字段和后字段,无任何意义,因打印系统硬件限制,“-”可能会被省略。此产品为加强绝缘认证,外部爬电距离: S、SL、DIP $\geq$ 7.5mm, M、SM、SLM $\geq$ 8.0mm, 穿透绝缘距离:  $\geq$ 0.4mm, 通过了 125°C 的热循环试验,适用于海拔 5000 米及以下)



CHINA QUALITY CERTIFICATION CENTRE



# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC19001231775

Valid from: Nov.10,2022

Valid until: Nov.09,2027

|                                                                  |                                                                                                                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NAME AND REGISTERED ADDRESS OF THE APPLICANT</b>              | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND REGISTERED ADDRESS OF THE MANUFACTURER</b>           | CT Micro International Corporation<br>Floor 4, Willow House, Cricked Square, P O Box2804, Grand Cayman KY1-1112                                             |
| <b>NAME AND LOCATION OF THE FACTORY</b>                          | Xiamen Harvatek Opto Electronic Limited<br>Room 101, 1 Floor, No.1158, Fang Shan Nan Road,Xiang' An Branch,Torch Hi-Tech Industrial Development Zone,Xiamen |
| <b>PRODUCT NAME, MODEL AND SPECIFICATION</b>                     | Optocoupler<br>see annex                                                                                                                                    |
| <b>THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS</b> | GB 4943.1-2022                                                                                                                                              |
| <b>TYPE OF CERTIFICATION SCHEMES</b>                             | Type Testing of Product + Follow up Factory Inspection                                                                                                      |

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-471543-2022.

Date of original issued: Dec.19,2019

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



SIGNATURE:

谢肇煦



CHINA QUALITY CERTIFICATION CENTRE





# CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC19001231775

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

CT101(X1)(X2)(X3)(V)(Z)-W-HG, CT111(X1)(X2)(X3)(V)(Z)-W-HG, CTL20(X1)(X2)(X3)(V)(Z)-W-HG,  
CTL45(X1)(X2)(X3)(V)(Z)-W-HG, CTL60(X1)(X2)(X3)(V)(Z)-W-HG, CTL22(X1)(X2)(X3)(V)(Z)-W-HG,  
CTL25(X1)(X2)(X3)(V)(Z)-W-HG, CTL26(X1)(X2)(X3)(V)(Z)-W-HG, CTL27(X1)(X2)(X3)(V)(Z)-W-HG,  
CTL570(X1)(X2)(X3)(V)(Z)-W-HG, CTL575(X1)(X2)(X3)(V)(Z)-W-HG, CTL577(X1)(X2)(X3)(V)(Z)-W-HZ,  
CTL50(X1)(X2)(X3)(V)(Z)-W-HZ, CTL70(X1)(X2)(X3)(V)(Z)-W-HG,

The follow part number will be shown in label on the shipping box. The variable is as below:

- I. (X1) denote product type option. It could be any alphanumeric character or blank.
- II. (X2) denote binning rank option. It could be any alphanumeric character or blank.
- III. (X3) denote test condition option. It could be combination of alphabet, number, or blank. Example (A), (A5), (5A), (BL), (GB), (8)...etc.
- IV. (V) denote VDE safety mark option. It could be (V) or Blank.
- V. (Z) denote type of package option. it could be a combination of alphabet and number, or blank. Example (T1), (T2), (T3), (k1), (M9), (A6)...etc.
- VI. W denote package code. It could be W, B, or blank.
- VII. H denote leadframe material option. It could be any alphabet or blank.
- VIII. G denote Regulations material used option. It could be any alphabet or blank (Unspecified demand). Example G (compliance Halogen Free), O (compliance Ozone Depleting Substances)...etc.

The character " ( ", " ) " , and " - " does not mean anything. The characters could be omission due to some of computer or print system restrictions apply.

Reinforced Insulation confirmed, thermal cycling test with 125°C. D.T.I.  $\geq 0.4\text{mm}$ , Ext. Creepage  $\geq 8.0\text{mm}$ . Altitude up to 5000m.



CHINA QUALITY CERTIFICATION CENTRE