

CERTIFICATE FI/41762

Our Ref. HEL-CERT230801344-01



Product Optocoupler
Type See pages 2-14, for details
Trademark EVERLIGHT
Certificate Holder Everlight Electronics Co., Ltd.
6-8, Zhonghua Road, Shulin, New Taipei City, 23860, Taiwan

Technical information 250Vrms

Other information The symbol "." in type designation may be blank, A-Z or numbers, and denote different pin shape.

The product is certified according to the following standard(s)
EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021
EN 61347-1:2015 + A1:2021
EN 62368-

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Manufacturer

Everlight Electronics Co., Ltd.
6-3, Zhonghua Road, Shulin, New Taipei City, 23160, Taiwan

Manufacturing site

Everlight Electronic (China) Co., Ltd.
No. 2135 Zhong Shan North Road, Wujiang Economy Development Zone (Yun Xi Area), Songling Town, Wujiang City, Suzhou, 215200, Jiangsu, China

Additional information

The product has certificate P23226996/A1 issued by Nemko AS in accordance with the Nordic Certification Service system.

Model/Type:

EL817. /EL816. /EL819. /EL829. /EL826. /EL827. /EL717. /4N25. /4N26. /4N27. /4N28. /4N35. /4N36. /4N37. /4N38. /MCT2. /MCT2E. /MCT210. /CNY17-1. /CNY17-2. /CNY17-3. /CNY17-4. /MOC8111. /MOC8112. /MOC8113. /H11A1. /H11A2. /H11A3. /H11A4. /H11A5. /TIL111. /TIL117. /CNX35U.

Optocoupler. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110°C. Tested for 5000m.

6N135. /6N136. /6N137. /6N138. /6N139. /EL2502. /EL250L. /EL2503. /EL4502. /EL4503. /EL2530. /EL253L. /EL2531. /EL4534. /EL2730. /EL2731. /EL2601. /EL260L. /EL2611. /EL261A. /EL261N. /EL2630. /EL263L. /EL263A. /EL263N. /EL2631. /EL4661. /EL4504.

High Speed Optocoupler. Minimum external creepage distance is measured to 8.0mm, minimum internal creepage distance is measured to 5.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 100°C



Additional information

...T. /TCET120. /VO610A. /VO610B. /VO610C. /VO610D. /VO610E. /VO610F. /VO610G. /VO610H. /VO610I. /VO610J. /VO610K. /VO610L. /VO610M. /VO610N. /VO610O. /VO610P. /VO610Q. /VO610R. /VO610S. /VO610T. /VO610U. /VO610V. /VO610W. /VO610X. /VO610Y. /VO610Z. /VO610AA. /VO610AB. /VO610AC. /VO610AD. /VO610AE. /VO610AF. /VO610AG. /VO610AH. /VO610AI. /VO610AJ. /VO610AK. /VO610AL. /VO610AM. /VO610AN. /VO610AO. /VO610AP. /VO610AQ. /VO610AR. /VO610AS. /VO610AT. /VO610AU. /VO610AV. /VO610AW. /VO610AX. /VO610AY. /VO610AZ. /VO610BA. /VO610BB. /VO610BC. /VO610BD. /VO610BE. /VO610BF. /VO610BG. /VO610BH. /VO610BI. /VO610BJ. /VO610BK. /VO610BL. /VO610BM. /VO610BN. /VO610BO. /VO610BP. /VO610BQ. /VO610BR. /VO610BS. /VO610BT. /VO610BU. /VO610BV. /VO610BW. /VO610BX. /VO610BY. /VO610BZ. /VO610CA. /VO610CB. /VO610CC. /VO610CD. /VO610CE. /VO610CF. /VO610CG. /VO610CH. /VO610CI. /VO610CJ. /VO610CK. /VO610CL. /VO610CM. /VO610CN. /VO610CO. /VO610CP. /VO610CQ. /VO610CR. /VO610CS. /VO610CT. /VO610CU. /VO610CV. /VO610CW. /VO610CX. /VO610CY. /VO610CZ. /VO610DA. /VO610DB. /VO610DC. /VO610DD. /VO610DE. /VO610DF. /VO610DG. /VO610DH. /VO610DI. /VO610DJ. /VO610DK. /VO610DL. /VO610DM. /VO610DN. /VO610DO. /VO610DP. /VO610DQ. /VO610DR. /VO610DS. /VO610DT. /VO610DU. /VO610DV. /VO610DW. /VO610DX. /VO610DY. /VO610DZ. /VO610EA. /VO610EB. /VO610EC. /VO610ED. /VO610EE. /VO610EF. /VO610EG. /VO610EH. /VO610EI. /VO610EJ. /VO610EK. /VO610EL. /VO610EM. /VO610EN. /VO610EO. /VO610EP. /VO610EQ. /VO610ER. /VO610ES. /VO610ET. /VO610EU. /VO610EV. /VO610EW. /VO610EX. /VO610EY. /VO610EZ. /VO610FA. /VO610FB. /VO610FC. /VO610FD. /VO610FE. /VO610FF. /VO610FG. /VO610FH. /VO610FI. /VO610FJ. /VO610FK. /VO610FL. /VO610FM. /VO610FN. /VO610FO. /VO610FP. /VO610FQ. /VO610FR. /VO610FS. /VO610FT. /VO610FU. /VO610FV. /VO610FW. /VO610FX. /VO610FY. /VO610FZ. /VO610GA. /VO610GB. /VO610GC. /VO610GD. /VO610GE. /VO610GF. /VO610GG. /VO610GH. /VO610GI. /VO610GJ. /VO610GK. /VO610GL. /VO610GM. /VO610GN. /VO610GO. /VO610GP. /VO610GQ. /VO610GR. /VO610GS. /VO610GT. /VO610GU. /VO610GV. /VO610GW. /VO610GX. /VO610GY. /VO610GZ. /VO610HA. /VO610HB. /VO610HC. /VO610HD. /VO610HE. /VO610HF. /VO610HG. /VO610HH. /VO610HI. /VO610HJ. /VO610HK. /VO610HL. /VO610HM. /VO610HN. /VO610HO. /VO610HP. /VO610HQ. /VO610HR. /VO610HS. /VO610HT. /VO610HU. /VO610HV. /VO610HW. /VO610HX. /VO610HY. /VO610HZ. /VO610IA. /VO610IB. /VO610IC. /VO610ID. /VO610IE. /VO610IF. /VO610IG. /VO610IH. /VO610II. /VO610IJ. /VO610IK. /VO610IL. /VO610IM. /VO610IN. /VO610IO. /VO610IP. /VO610IQ. /VO610IR. /VO610IS. /VO610IT. /VO610IU. /VO610IV. /VO610IW. /VO610IX. /VO610IY. /VO610IZ. /VO610JA. /VO610JB. /VO610JC. /VO610JD. /VO610JE. /VO610JF. /VO610JG. /VO610JH. /VO610JI. /VO610JJ. /VO610JK. /VO610JL. /VO610JM. /VO610JN. /VO610JO. /VO610JP. /VO610JQ. /VO610JR. /VO610JS. /VO610JT. /VO610JU. /VO610JV. /VO610JW. /VO610JX. /VO610JY. /VO610JZ. /VO610KA. /VO610KB. /VO610KC. /VO610KD. /VO610KE. /VO610KF. /VO610KG. /VO610KH. /VO610KI. /VO610KJ. /VO610KK. /VO610KL. /VO610KM. /VO610KN. /VO610KO. /VO610KP. /VO610KQ. /VO610KR. /VO610KS. /VO610KT. /VO610KU. /VO610KV. /VO610KW. /VO610KX. /VO610KY. /VO610KZ. /VO610LA. /VO610LB. /VO610LC. /VO610LD. /VO610LE. /VO610LF. /VO610LG. /VO610LH. /VO610LI. /VO610LJ. /VO610LK. /VO610LL. /VO610LM. /VO610LN. /VO610LO. /VO610LP. /VO610LQ. /VO610LR. /VO610LS. /VO610LT. /VO610LU. /VO610LV. /VO610LW. /VO610LX. /VO610LY. /VO610LZ. /VO610MA. /VO610MB. /VO610MC. /VO610MD. /VO610ME. /VO610MF. /VO610MG. /VO610MH. /VO610MI. /VO610MJ. /VO610MK. /VO610ML. /VO610MN. /VO610MO. /VO610MP. /VO610MQ. /VO610MR. /VO610MS. /VO610MT. /VO610MU. /VO610MV. /VO610MW. /VO610MX. /VO610MY. /VO610MZ. /VO610NA. /VO610NB. /VO610NC. /VO610ND. /VO610NE. /VO610NF. /VO610NG. /VO610NH. /VO610NI. /VO610NJ. /VO610NK. /VO610NL. /VO610NM. /VO610NN. /VO610NO. /VO610NP. /VO610NQ. /VO610NR. /VO610NS. /VO610NT. /VO610NU. /VO610NV. /VO610NW. /VO610NX. /VO610NY. /VO610NZ. /VO610OA. /VO610OB. /VO610OC. /VO610OD. /VO610OE. /VO610OF. /VO610OG. /VO610OH. /VO610OI. /VO610OJ. /VO610OK. /VO610OL. /VO610OM. /VO610ON. /VO610OO. /VO610OP. /VO610OQ. /VO610OR. /VO610OS. /VO610OT. /VO610OU. /VO610OV. /VO610OW. /VO610OX. /VO610OY. /VO610OZ. /VO610PA. /VO610PB. /VO610PC. /VO610PD. /VO610PE. /VO610PF. /VO610PG. /VO610PH. /VO610PI. /VO610PJ. /VO610PK. /VO610PL. /VO610PM. /VO610PN. /VO610PO. /VO610PP. /VO610PQ. /VO610PR. /VO610PS. /VO610PT. /VO610PU. /VO610PV. /VO610PW. /VO610PX. /VO610PY. /VO610PZ. /VO610QA. /VO610QB. /VO610QC. /VO610QD. /VO610QE. /VO610QF. /VO610QG. /VO610QH. /VO610QI. /VO610QJ. /VO610QK. /VO610QL. /VO610QM. /VO610QN. /VO610QO. /VO610QP. /VO610QQ. /VO610QR. /VO610QS. /VO610QT. /VO610QU. /VO610QV. /VO610QW. /VO610QX. /VO610QY. /VO610QZ. /VO610RA. /VO610RB. /VO610RC. /VO610RD. /VO610RE. /VO610RF. /VO610RG. /VO610RH. /VO610RI. /VO610RJ. /VO610RK. /VO610RL. /VO610RM. /VO610RN. /VO610RO. /VO610RP. /VO610RQ. /VO610RR. /VO610RS. /VO610RT. /VO610RU. /VO610RV. /VO610RW. /VO610RX. /VO610RY. /VO610RZ. /VO610SA. /VO610SB. /VO610SC. /VO610SD. /VO610SE. /VO610SF. /VO610SG. /VO610SH. /VO610SI. /VO610SJ. /VO610SK. /VO610SL. /VO610SM. /VO610SN. /VO610SO. /VO610SP. /VO610SQ. /VO610SR. /VO610SS. /VO610ST. /VO610SU. /VO610SV. /VO610SW. /VO610SX. /VO610SY. /VO610SZ. /VO610TA. /VO610TB. /VO610TC. /VO610TD. /VO610TE. /VO610TF. /VO610TG. /VO610TH. /VO610TI. /VO610TJ. /VO610TK. /VO610TL. /VO610TM. /VO610TN. /VO610TO. /VO610TP. /VO610TQ. /VO610TR. /VO610TS. /VO610TT. /VO610TU. /VO610TV. /VO610TW. /VO610TX. /VO610TY. /VO610TZ. /VO610UA. /VO610UB. /VO610UC. /VO610UD. /VO610UE. /VO610UF. /VO610UG. /VO610UH. /VO610UI. /VO610UJ. /VO610UK. /VO610UL. /VO610UM. /VO610UN. /VO610UO. /VO610UP. /VO610UQ. /VO610UR. /VO610US. /VO610UT. /VO610UU. /VO610UV. /VO610UW. /VO610UX. /VO610UY. /VO610UZ. /VO610VA. /VO610VB. /VO610VC. /VO610VD. /VO610VE. /VO610VF. /VO610VG. /VO610VH. /VO610VI. /VO610VJ. /VO610VK. /VO610VL. /VO610VM. /VO610VN. /VO610VO. /VO610VP. /VO610VQ. /VO610VR. /VO610VS. /VO610VT. /VO610VU. /VO610VV. /VO610VW. /VO610VX. /VO610VY. /VO610VZ. /VO610WA. /VO610WB. /VO610WC. /VO610WD. /VO610WE. /VO610WF. /VO610WG. /VO610WH. /VO610WI. /VO610WJ. /VO610WK. /VO610WL. /VO610WM. /VO610WN. /VO610WO. /VO610WP. /VO610WQ. /VO610WR. /VO610WS. /VO610WT. /VO610WU. /VO610WV. /VO610WW. /VO610WX. /VO610WY. /VO610WZ. /VO610XA. /VO610XB. /VO610XC. /VO610XD. /VO610XE. /VO610XF. /VO610XG. /VO610XH. /VO610XI. /VO610XJ. /VO610XK. /VO610XL. /VO610XM. /VO610XN. /VO610XO. /VO610XP. /VO610XQ. /VO610XR. /VO610XS. /VO610XT. /VO610XU. /VO610XV. /VO610XW. /VO610XX. /VO610XY. /VO610XZ. /VO610YA. /VO610YB. /VO610YC. /VO610YD. /VO610YE. /VO610YF. /VO610YG. /VO610YH. /VO610YI. /VO610YJ. /VO610YK. /VO610YL. /VO610YM. /VO610YN. /VO610YO. /VO610YP. /VO610YQ. /VO610YR. /VO610YS. /VO610YT. /VO610YU. /VO610YV. /VO610YW. /VO610YX. /VO610YY. /VO610YZ. /VO610ZA. /VO610ZB. /VO610ZC. /VO610ZD. /VO610ZE. /VO610ZF. /VO610ZG. /VO610ZH. /VO610ZI. /VO610ZJ. /VO610ZK. /VO610ZL. /VO610ZM. /VO610ZN. /VO610ZO. /VO610ZP. /VO610ZQ. /VO610ZR. /VO610ZS. /VO610ZT. /VO610ZU. /VO610ZV. /VO610ZW. /VO610ZX. /VO610ZY. /VO610ZZ.

Optocoupler. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110°C. Tested for 5000m.

H11L3. / H11D1. / H11D2. / H11D3. / H11D4. / H11G1. / H11G2. / H11G3. /EL371. / EL725. / 4N50. / 4N51. / 4N52. / 4N53. / 4N54. / 4N55. / 4N56. /4N57. / 4N58. / 4N59. /EL852. /EL851.

Optocoupler. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 5.5mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

X = Part no. (0,1,2,3,4).

EX357NH. / EX3H7H. / EX3H7U. / EX3H4U. / EX354NU. / EX357NU.

Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 125 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. The may be L or V, and denotes different application. Maximum operating temperature: 125°C

EX101U.

Optocoupler. Minimum external creepage distance is measured to 8.1mm, minimum internal creepage distance is measured to 5.2mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 125 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.



Additional information

ELT300X. / ELT302X. / ELT305X. / ELT306X. / ELT307X. / ELT308X. / ELT309X. / ELT310X. / ELT311X. / ELT312X. / ELT313X. / ELT314X. / ELT315X. / ELT316X. / ELT317X. / ELT318X. / ELT319X. / ELT320X. / ELT321X. / ELT322X. / ELT323X. / ELT324X. / ELT325X. / ELT326X. / ELT327X. / ELT328X. / ELT329X. / ELT330X. / ELT331X. / ELT332X. / ELT333X. / ELT334X. / ELT335X. / ELT336X. / ELT337X. / ELT338X. / ELT339X. / ELT340X. / ELT341X. / ELT342X. / ELT343X. / ELT344X. / ELT345X. / ELT346X. / ELT347X. / ELT348X. / ELT349X. / ELT350X. / ELT351X. / ELT352X. / ELT353X. / ELT354X. / ELT355X. / ELT356X. / ELT357X. / ELT358X. / ELT359X. / ELT360X. / ELT361X. / ELT362X. / ELT363X. / ELT364X. / ELT365X. / ELT366X. / ELT367X. / ELT368X. / ELT369X. / ELT370X. / ELT371X. / ELT372X. / ELT373X. / ELT374X. / ELT375X. / ELT376X. / ELT377X. / ELT378X. / ELT379X. / ELT380X. / ELT381X. / ELT382X. / ELT383X. / ELT384X. / ELT385X. / ELT386X. / ELT387X. / ELT388X. / ELT389X. / ELT390X. / ELT391X. / ELT392X. / ELT393X. / 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Triac Optocoupler. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Maximum operating temperature: 110°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 100 °C. denotes X = Part no. (0,1,2,3,4).

ELS680.

High Speed Optocoupler . Minimum external creepage distance is measured to 8.4mm, minimum internal creepage distance is measured to 5.56mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 100 °C.

ELS60U. / ELS61U. / ELS62U.

High Speed Optocoupler . Minimum external creepage distance is measured to 8.4mm, minimum internal creepage distance is measured to 5.56mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 100 °C.

ELS500./ ELS501./ ELS511./ ELS050L./ ELS051L./ ELS052L./ ELS600./ ELS601./ ELS611./ ELS060L./ ELS061L./ ELS062L.

High Speed Optocoupler . Minimum external creepage distance is measured to 8.4mm, minimum internal creepage distance is measured to 5.56mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 100 °C.



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Additional information

High Speed Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Maximum operating temperature: 100°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

ELM61U

High Speed Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Maximum operating temperature: 100°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute

ELM60U

High Speed Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Maximum operating temperature: 100°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

ELM460A / ELM840A / ELM860A / ELM425A

Solid State Relay. Minimum external creepage distance is measured to 5.7mm, minimum internal creepage distance is measured to 4.31mm and minimum distance through insulation is measured to 0.3mm. Tested for basic insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 125 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 125 °C.

ELM456 / ELM61L / ELM680 / ELM511

High Speed Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Maximum operating temperature: 100°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.



Additional information

ELM611H. / ELM611H.

High Speed Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Maximum operating temperature: 125°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 125 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

ELM452. / ELM453. / ELM600. / ELM601. / ELM611. / ELM452L. / ELM453L. / ELM600L. / ELM601L. / ELM611L. / ELM454. / ELM80L. / ELM81L.

High Speed Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Maximum operating temperature: 100°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

ELM440A./ELM640A./ ELM660A. / ELM406A

Solid State Relay. Minimum external creepage distance is measured to 5.7mm, minimum internal creepage distance is measured to 4.31 mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 125 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 125 °C.

ELM312. / ELM315.

Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Maximum operating temperature: 110°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.



Additional information

Optocoupler. Minimum external creepage distance is measured to 8.0mm, minimum internal creepage distance is measured to 0.90mm and minimum distance through insulation is measured to 0.90mm. Tested for basic/supplementary insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110 °C.

ELL200.

Linear Optocoupler. Minimum external creepage distance is measured to 11.85mm, and minimum distance through insulation is measured to 1.0mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110 °C.

ELD851. /ELD852. /4N29. /4N30. /4N31. /4N32. /4N33. /H11B1. /H11B2. /H11B3. /H11B255. /TIL113. /MOC119. /MOC8020. /MOC8021. /MOC8030. /MOC8050. /MOC8080. /EL301X. /EL302X. /EL305X. /EL307X. /EL303X. /EL304X. /EL306X. /EL308X. /EL3161. /EL3162. /EL3163. /H11L1. /H11L2.

Optocoupler. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 5.5mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

%

X = Part no. (0,1,2,3,4).

ELD3H5. / ELD3H6. / ELD3H7. / ELD3H4. / ELQ3H4. / ELQ3H5. / ELQ3H7. / ELM314.

Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Maximum operating temperature: 110°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.



Additional information

EL844. / EL845.

Optocoupler. Minimum external creepage distance is measured to 8.0mm, minimum internal creepage distance is measured to 5.1mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength tests, between input and output 4800Vac/1 minute. Maximum operating temperature: 110°C

EL817H.

Optocoupler. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 125 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 125°C

EL815. / EL814. / EL824. / EL825.

Optocoupler. Minimum external creepage distance is measured to 7.9mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110°C

EL806A. /EL810A. /EL820A. /EL825A. /EL835A. /EL840A. /EL860A. /EL860A-V / EL406A. /EL410A. /EL420A. /EL425A. /EL435A. /EL440A. /EL460A. /EL606A. /EL610A. /EL620A. /EL625A. /EL635A. /EL640A. /EL660A.

Solid State Relay. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Maximum operating temperature: 125°C. Thermal cycling test, 10 cycles. Each cycle: 68h in 125 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

Additional info

CNY75G. / CQY80.G / K233. / TCET110.G / TCEDT111.G / TCET120.G / TCET122.G / HS817.G / TCET110.G / TCET120.G

Optocoupler. Minimum external creepage distance is measured to 8.0mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110°C

EL451. / EL452. / EL3H7L. / EL351. / EL352. / EL3571N. / EL357NL. Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength testn.4mm..th testn.4mm..th tQar 7(T)-7(h)8(e)8(rma)8(l)ε



Additional info

./EL354. /EL355. /EL356. /EL357. /EL358. /EL359. /EL121. /EL124. /EL2701. /EL2705. /EL357N. /EL356N. /EL121N. /EL124N. /EL2701N. /EL354N. /EL2705N. /EL3H7. /EL281. /EL3H4. /EL280. /EL3H71. /ELM301X. /ELM302X. /ELM305X. /ELM307X. /ELM303X. /ELM304X. /ELM306X. /ELM308X.

Optocoupler. Minimum external creepage distance is measured to 5.0mm, minimum internal creepage distance is measured to 4.0mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

%

X = Part no. (0,1,2,3,4).

EL2514.

Optocoupler. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110°C. Tested for 5000m.

EL2200. / EL2212. / EL2231. / EL2201. / EL2202. / EL2219. / EL2211. / EL2232.

High Speed Optocoupler. Minimum external creepage distance is measured to 8.2mm, minimum internal creepage distance is measured to 5.1mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength tests, between input and output 4800Vac/1 minute. Maximum operating temperature: 100°C

EL205. / EL206. / EL207. / EL208. / EL211. / EL212. / EL213. / EL215. /EL216. / EL217. / ELD207. / ELD208. / ELD213. / ELD217. / ELD205. /ELD206. /ELD211.

Optocoupler. Minimum external creepage distance is measured to 4.4mm, minimum internal creepage distance is measured to 3.5mm and minimum distance through insulation is measured to 0.4mm. Tested for basic and supplementary insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 2400Vac/1 minute. Maximum operating temperature: 110°C



Additional info

EL101L. / EL101X. / EL357L. / EL355L. / EL354L. / EL161X. / EL151X. /

Optocoupler. Minimum external creepage distance is measured to 8.1mm, minimum internal creepage distance is measured to 5.2mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110°C. The suffix X = Part no. (0,1,2,3,4,5,6,7,8,9). Tested for 5000m.

EL101XH.

Optocoupler. Minimum external creepage distance is measured to 8.1mm, minimum internal creepage distance is measured to 5.2mm and minimum distance through insulation is measured to 0.4mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 125 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute.

X = Part no. (0,1,2,3,4,5,6,7,8,9)

EL080L / EL081L. / EL083L. / EL086L

High Speed Optocoupler . Minimum external creepage distance is measured to 4.4mm, minimum internal creepage distance is measured to 3.5mm and minimum distance through insulation is measured to 0.4mm. Tested for basic and supplementary insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 2400Vac/1 minute. Maximum operating temperature: 100°C. In type denotes X = Part no. (0,1,L,A,N).

EL0500 / EL0501. / EL0452. / EL0453. / EL0454. / EL0600. / EL0601. / EL0611. / EL0700. / EL050L. / EL060L. / EL0701. / EL061A. / EL061N. / EL0551. / EL0530. / EL0531. / EL0533. / EL063X. / EL0661. / EL0730. / EL0731. / EL053L.

High Speed Optocoupler . Minimum external creepage distance is measured to 4.4mm, minimum internal creepage distance is measured to 3.5mm and minimum distance through insulation is measured to 0.4mm. Tested for basic and supplementary insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 2400Vac/1 minute. Maximum operating temperature: 100°C.



Additional info

High Speed Optocoupler . Minimum external creepage distance is measured to 4.4mm, minimum internal creepage distance is measured to 3.5mm and minimum distance through insulation is measured to 0.4mm. Tested for basic and supplementary insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 100 degree C, 1h in 25degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 2400Vac/1 minute. Maximum operating temperature: 100°C. The symb

CNX36U. /CNX38U. /CNX39U. /SL5500. /SL5501. /SL5504. /SL5511. /MOC8100. /MOC8101. /MOC8102. /MOC8103. /MOC8104. /MOC8105. /MOC8106. /MOC8107. /MOC8108. /EL9001. /CNY17F-1. /CNY17F-2. /CNY17F-3. /CNY17F-4. /H11AA1. /H11AA2. /H11AA3. /H11AA4. /HS817. /K817P. /TCET110.

Optocoupler. Minimum external creepage distance is measured to 7.7mm, minimum internal creepage distance is measured to 6.0mm and minimum distance through insulation is measured to 0.5mm. Tested for reinforced insulation. Thermal cycling test, 10 cycles. Each cycle: 68h in 110 degree C, 1h in 25 degree C, 2h in 0 degree C and 1h in 25 degree C. After the cycling test a humidity test for 48h in 93% relative humidity. Electric strength test between input and output 4800Vac/1 minute. Maximum operating temperature: 110°C. Tested for 5000m.

As shown in the Test Report(s) No(s): REP008814



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