




**THE DATASHEET OF
TF06L-60S-0.5SH(800)**



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| | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | |
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| APPLICABLE STANDARD | | | | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -40°C ~ +85°C | | | | STORAGE TEMPERATURE RANGE | -10°C ~ +50°C(Packed Condition) | | | | | |
| | VOLTAGE | 50V [AC(rms) / DC] | | | | OPERATING OR STORAGE HUMIDITY RANGE | Relative Humidity 90%MAX (NOT DEWED) | | | | | |
| | CURRENT | 0.5A [AC(rms) / DC](note 1) | | | | APPLICABLE CABLE | FPC/FFC (t=0.3±0.03mm) | | | | | |
| SPECIFICATIONS | | | | | | | | | | | | |
| ITEM | | TEST METHOD | | | | REQUIREMENTS | | | | QT | AT | |
| CONSTRUCTION | | | | | | | | | | | | |
| GENERAL EXAMINATION | | VISUALLY AND BY MEASURING INSTRUMENT | | | | ACCORDING TO DRAWING | | | | 0 | 0 | |
| MARKING | | CONFIRMED VISUALLY | | | | | | | | 0 | 0 | |
| ELECTRICAL CHARACTERISTICS | | | | | | | | | | | | |
| CONTACT RESISTANCE | | MATE APPLICABLE FPC/FFC AND APPLY A CURRENT OF 10mA, 20mv DC | | | | 50 mΩ MAX. INCLUDING FPC/FFC BULK RESISTANCE(L=8mm) | | | | 0 | 0 | |
| INSULATION RESISTANCE | | MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF DC 500V | | | | 500 MΩ MIN. | | | | 0 | 0 | |
| VOLTAGE PROOF | | MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF AC 250V FOR 1 min. | | | | NO FLASHOVER OR BREAKDOWN. | | | | 0 | 0 | |
| MECHANICAL CHARACTERISTICS | | | | | | | | | | | | |
| FPC RETENSION FORCE | | MEASURE BY APPLICABLE FPC/FFC(t=0.3) AT INITIAL CONDITION | | | | DIRECTION OF INSERTION : | | | | 0 | - | |
| | | | | | | NUMBER OF CONTACTS | | | | | | |
| | | | | | | FORCE(N, MIN.) | | | | | | |
| MECHANICAL OPERATION | | 20 TIMES INSERTIONS AND EXTRATIONS | | | | ①CONTACT RESISTANCE: 50mΩ MAX ②NO DAMAGE,CRACK AND LOOSENESS OF PARTS | | | | 0 | - | |
| VIBRATION | | FREQUENCY 10 ~ 55 Hz, TOTAL AMPLITUDE 1.5 mm AT 2h, IN 3 DIRECTIONS | | | | ①NO ELECTRICAL DISCONTINUITY OF 1μs. ②CONTACT RESISTANCE : 50mΩ MAX | | | | 0 | - | |
| SHOCK | | 490m/s ² DIRECTION OF PULSE 11ms AT 3 TIMES IN 3 DIRECTIONS. | | | | ③NO DAMAGE,CRACK AND LOOSENESS OF PARTS | | | | 0 | - | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | | | | |
| DAMP HEAT(STEADY STATE) | | EXPOSED AT 40±2°C, 90~95 %, 96Hr. | | | | ①CONTACT RESISTANCE: 50 mΩ MAX. | | | | 0 | - | |
| RAPID CHAGE OF TEMPERATURE | | TEMPERATURE : -40±2 → 15~35 → +85±2 → 15~35 °C TIME : 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES. | | | | ②INSULATION RESISTANCE: 100 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | 0 | - | |
| DAMP HEAT, CYCLE | | TEMPERATURE -10→+65 HUMIDITY : 90~95% 10 CYCLE(240Hr) | | | | | | | | 0 | - | |
| DRY HEAT | | EXPOSED AT 85±2°C, 96Hr | | | | ①CONTACT RESISTANCE : 50mΩ MAX | | | | 0 | - | |
| COLD | | EXPOSED AT -40±2°C, 96Hr | | | | ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | 0 | - | |
| CORROSION SALT SPRAY | | EXPOSED AT 35±2°C, 5±1% SALT WATER SPRAY FOR 48Hr | | | | ①CONTACT RESISTANCE 50mΩ MAX ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | 0 | - | |
| HYDROGEN SULPHIDE | | EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38) | | | | ③NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. | | | | 0 | - | |
| RESISTANCE TO SOLDERING HEAT | | REFLOW SOLDERING: PEAK TMP. : 260°C MAX. 10s MIN. REFLOW TMP. : 217°C FOR 90~120s | | | | ①NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. ②NO DAMAGE OF ELECTRICAL PERFORMANCE | | | | 0 | - | |
| SOLDER ABILITY | | SOLDER DIPPING TEMPERATURE 245±5°C (TEST STANDARD : MIL-STD-202) | | | | WETTING BALANCE TEST : 2s MAX. DIP & LOOK TEST : 95% MIN. A NEW UNIFORM COATING OF SOLDER | | | | 0 | - | |
| (Note 1) WHEN THE SAME VALUE OF CURRENT ARE APPLID TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70% OF THE RATED CURRENT VALUE. | | | | | | | | | | | | |
| REMARKS | | CONDITIONS FOR TESTING | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | | |
| | | | | | | D.H CHO | D.H CHO | D.H CHO | H.C SONG |  | | |
| | | | | | | 17.04.10 | 17.04.10 | 17.04.10 | 17.04.10 | | | |
| UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402. | | | | | | | | | | | | |
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST | | | | | | | | | | | | |
| HIROSE KOREA CO.,LTD. | | | | SPECIFICATION SHEET | | | | PART NO. TF06L-**S-0.5SH(800) | | | | |
| CODE NO.(OLD) CL | | DRAWING NO. ELC4-632316-80 | | | CODE NO. CL ****-****-800 | | | 1 1 | | | | |

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