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Quality Engineering Test Report

SERIES: SLW05C 5W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE: SLW05C-05 +5V / 1A

| NO | TEST ITEM | TEST CONDITION / SPECIFICATION | RESULT | VERDICT | | | | | | | |
|-----------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------|------|--------|------|-----------|---------|---------|---|
| 1 | DC INPUT VOLTAGE RANGE | I/P:TESTING SPEC: 36~72VDC O/P:FULL LOAD | 24~72VDC | P | | | | | | | |
| 2 | LINE REGULATION | I/P: 36~72VDC SPEC: $\pm 0.2\%$ O/P: FULL LOAD | -0%~+0.02% | P | | | | | | | |
| 3 | LOAD REGULATION | I/P: 48VDC SPEC: $\pm 0.5\%$ O/P:MIN. TO FULL LOAD | -0.08%~+0.08% | P | | | | | | | |
| 4 | OUTPUT VOLTAGE TOLERANCE | I/P: 36~72VDC SPEC: NONE O/P:MIN. TO FULL LOAD | -0.08%~+0.1% | P | | | | | | | |
| 5 | RIPPLE&NOISE | I/P: 48VDC SPEC: 100mV O/P:FULL LOAD | 25mV | P | | | | | | | |
| 6 | DC INPUT CURRENT | I/P: 48VDC SPEC: 0.135A O/P:FULL LOAD | 0.13A | P | | | | | | | |
| 7 | OVER LOAD PROTECTION | I/P: 48VDC SPEC: NONE O/P:TESTING | 150% | P | | | | | | | |
| 8 | O/P VOLTAGE ACCURACY | I/P: 48VDC SPEC: $\pm 1\%$ O/P:MIN. LOAD | +0.34% | P | | | | | | | |
| 9 | SET UP TIME | I/P:48VDC SPEC: NONE O/P:FULL LOAD | 12.2mS | P | | | | | | | |
| 10 | HOLD UP TIME | I/P:48VDC SPEC: NONE O/P:FULL LOAD | 2.6mS | P | | | | | | | |
| 11 | EFFICIENCY | I/P: 48VDC SPEC: 77% O/P:FULL LOAD | 80.4% | P | | | | | | | |
| 12 | INSULATION RESISTANCE | SPEC:I/P-O/P 500VDC/1000M Ohms MIN. | I/P-O/P>100M Ohms | P | | | | | | | |
| 13 | DIELECTRIC / WITHSTAND VOLTAGE | SPEC: I/P-O/P: 1000VDC/1 min (10mA CUT-OFF) | NO BREAK I/P-O/P :<0.02mA | P | | | | | | | |
| 14 | BURN-IN TEST | I/P:48VDC O/P:FULL LOAD TA:25 °C BURN-IN DURATION : 13 hrs | NO BREAK | P | | | | | | | |
| 15 | TEMPERATURE RISE TEST T rise OF PARTS | I/P :48VDC AFTER 13 hrs BURN-IN O/P :FULL LOAD TA:25 °C <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>POSITION</th> <th>SAMPLE</th> <th>TEMP</th> <th>T rise</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>SLW05C-05</td> <td>45.3 °C</td> <td>20.3 °C</td> </tr> </tbody> </table> | POSITION | SAMPLE | TEMP | T rise | CASE | SLW05C-05 | 45.3 °C | 20.3 °C | P |
| POSITION | SAMPLE | TEMP | T rise | | | | | | | | |
| CASE | SLW05C-05 | 45.3 °C | 20.3 °C | | | | | | | | |
| 16 | CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY) | 1. PACKING : 軌道型塑膠加紙盒包裝 2. MARKING : MODEL LABEL 3. MECHANICAL : SIX-SIDED SHIELD METAL CASE 4. DIMENSIONS : LXWXH=50.8X25.4X11.27mm,PIN :1.0x8.3mm | | | | | | | | | |
| DATE | SAMPLE | TEST RESULT | TEST | APPROVAL | | | | | | | |
| 1998.8.28 | SLW05C-05 | PASS | T.K.CHENG | MAX LIN | | | | | | | |