

Model : DCW05B-15 5.7W
 V1 : +12V / 19~190mA
 V2 : -12V / 19~190mA

OUTPUT FUNCTION TEST

| NO | TEST ITEM | SPECICATION | TEST CONDITION | RESULT | VERDICT |
|----|-------------------------|----------------------------------|--|--|---------|
| 1 | OUTPUT VOLTAGE ACCURACY | V1:-2%~+2% V2:-2%~+2% | I/P: 24VDC O/P:50% LOAD Ta:25°C | V1:0.1% V2:-0.1% | P |
| 2 | RIPPLE & NOISE | V1:60mVp-p V2:60mVp-p | I/P:24VDC O/P:FULL LOAD Ta:25°C | V1:24mVp-p V2:28mVp-p | P |
| 3 | LINE REGULATION | V1:-0.5%~+0.5% V2:-0.5%~+0.5% | I/P:18VDC ~36VDC O/P:FULL LOAD Ta:25°C | V1: -0.01%~+0.01% V2: -0.03%~+0.03% | P |
| 4 | LOAD REGULATION | V1:-0.5%~+0.5% V2:-0.5%~+0.5% | I/P:24VDC O/P:FULL ~MIN LOAD Ta:25°C | V1: -0.05%~+0.02% V2: -0.07%~+0.09% | P |

INPUT FUNCTION TEST

| NO | TEST ITEM | SPECICATION | TEST CONDITION | RESULT | VERDICT |
|----|---------------------|---|---|---|---------|
| 1 | INPUT VOLTAGE RANGE | 18VDC~36VDC | I/P:TESTING O/P:FULL LOAD Ta:25°C | 10.2V~36Vdc | P |
| 2 | EFFICIENCY | 83% (Typ.) | I/P:24VDC O/P:FULL LOAD Ta:25°C | 83.77% | P |
| 3 | INPUT CURRENT | 286mA FULL LOAD (Max.) 21mA NO LOAD (Typ.) | I/P:24VDC O/P:TEST Ta:25°C | 279.8mA / FULL LOAD 18.2mA / NO LOAD | P |

PROTECTION FUNCTION TEST

| NO | TEST ITEM | SPECICATION | TEST CONDITION | RESULT | VERDICT |
|----|----------------------|--|---------------------------------------|--|---------|
| 1 | OVER LOAD PROTECTION | 150 ~ 250% (Typ.) | I/P:24VDC O/P:TESTING Ta:25°C | 190% HICCUP MODE AUTO-RECOVER | P |
| 2 | SHORT PROTECTION | SHORT EVERY OUTPUT 1 HOUR NO DAMAGE | I/P:36VDC O/P:FULL LOAD Ta:25°C | NO DAMAGE HICCUP MODE AUTO-RECOVER | P |



ENVIRONMENT TEST

| NO | TEST ITEM | SPECICATION | TEST CONDITION | RESULT | VERDICT | | | | | | | | |
|----------|------------------------------|--|--|-----------|---------|---|---|------|--------|--------|--------|--|--|
| 1 | TEMPERATURE RISE TEST | 1. ROOM AMBIENT BURN-IN : 6HRS I/P:24VDC O/P: FULL LOAD Ta= 26.1°C 2. ROOM AMBIENT BURN-IN : 3HRS I/P:24VDC O/P: FULL LOAD Ta= 63.7°C | | | P | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>Position</th> <th>P/N</th> <th>1</th> <th>2</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>CENTER</td> <td>42.5°C</td> <td>83.6°C</td> </tr> </tbody> </table> | | Position | P/N | 1 | 2 | CASE | CENTER | 42.5°C | 83.6°C | | |
| Position | P/N | 1 | 2 | | | | | | | | | | |
| CASE | CENTER | 42.5°C | 83.6°C | | | | | | | | | | |
| 2 | LOW TEMPERATURE TURN ON TEST | TURN ON AFTER 2 HOURS | I/P:24VDC O/P: 100% LOAD Ta= -40°C | TEST : OK | P | | | | | | | | |

SAFETY TEST

| NO | TEST ITEM | SPECICATION | TEST CONDITION | RESULT | VERDICT |
|----|----------------------|----------------------|---------------------------------|------------------------------|---------|
| 1 | WITHSTAND VOLTAGE | I/P-O/P:1000 VDC/min | I/P-O/P:1000 VDC/min Ta:25°C | I/P-O/P: 0.02mA NO DAMAGE | P |
| 2 | ISOLATION RESISTANCE | I/P-O/P:500VDC>100MΩ | I/P-O/P:500 VDC Ta:25°C | I/P-O/P>100MΩ NO DAMAGE | P |

| DATE | SAMPLE | TEST RESULT | TESTER | APPROVAL |
|-----------|--------|-------------|--------|-----------|
| 2008.1.10 | STOCK | PASS | PETER | T.K.CHENG |