

Model : DCW08A-05 8W  
 V1:+5V / 160~800mA  
 V2:-5V / 160~800mA

**OUTPUT FUNCTION TEST**

| NO | TEST ITEM               | SPECICATION  | TEST CONDITION                              | RESULT                                   | VERDICT |
|----|-------------------------|--|---|--|---------|
| 1  | OUTPUT VOLTAGE ACCURACY | V1 : -2%~+2% (Max.)<br>V2 : -2%~+2% (Max.)         | I/P: 12VDC<br>O/P:50% LOAD<br>Ta:25°C       | V1 : -1.08%<br>V2 : -1.06%               | P       |
| 2  | RIPPLE & NOISE          | V1 : 50mVp-p (Max.)<br>V2 : 50mVp-p (Max.)         | I/P:12VDC<br>O/P:FULL LOAD<br>Ta:25°C       | V1 : 18mVp-p<br>V2 : 20mVp-p             | P       |
| 3  | LINE REGULATION         | V1 : -0.5%~+0.5% (Max.)<br>V2 : -0.5%~+0.5% (Max.) | I/P:9VDC ~18VDC<br>O/P:FULL LOAD<br>Ta:25°C | V1 : -0%~+0%<br>V2 : -0.02%~+0%          | P       |
| 4  | LOAD REGULATION         | V1 : -0.5%~+0.5% (Max.)<br>V2 : -0.5%~+0.5% (Max.) | I/P:12VDC<br>O/P: MIN ~FULL LOAD<br>Ta:25°C | V1 : -0.04%~+0.02%<br>V2 : -0.02%~+0.02% | P       |

**INPUT FUNCTION TEST**

| NO | TEST ITEM           | SPECICATION                                       | TEST CONDITION                          | RESULT                              | VERDICT |
|----|---------------------|---|---|-------------------------------------|---------|
| 1  | INPUT VOLTAGE RANGE | 9VDC~18VDC  | I/P:TESTING<br>O/P:FULL LOAD<br>Ta:25°C | 7.8VDC~18VDC                        | P       |
| 2  | EFFICIENCY          | 75% (Typ)   | I/P:12VDC<br>O/P:FULL LOAD<br>Ta:25°C   | 76.96%                              | P       |
| 3  | INPUT CURRENT       | 888mA / FULL LOAD (Max.)<br>50mA / NO LOAD (Max.) | I/P:12VDC<br>O/P:TESTING<br>Ta:25°C     | 858mA / FULL LOAD<br>14mA / NO LOAD | P       |

**PROTECTION FUNCTION TEST**

| NO | TEST ITEM            | SPECICATION                            | TEST CONDITION                      | RESULT                                   | VERDICT |
|----|----------------------|--|-------------------------------------|--|---------|
| 1  | OVER LOAD PROTECTION | 110%~250% (Typ)                        | I/P:12VDC<br>O/P:TESTING<br>Ta:25°C | 130%<br>HICCUP MODE<br>AUTO-RECOVER      | P       |
| 2  | SHORT PROTECTION     | SHORT EVERY OUTPUT<br>1 HOUR NO DAMAGE | I/P:18VDC<br>O/P:SHORT<br>Ta:25°C   | NO DAMAGE<br>HICCUP MODE<br>AUTO-RECOVER | P       |

