

Model : SCW12B-12 12W  
+12V / 200~1000mA

**OUTPUT FUNCTION TEST**

| NO | TEST ITEM               | SPECICATION        | TEST CONDITION                               | RESULT        | VERDICT |
|----|-------------------------|--------------------|--|---------------|---------|
| 1  | OUTPUT VOLTAGE ACCURACY | -2%~+2% (Max.)     | I/P: 24VDC<br>O/P:50% LOAD<br>Ta:25°C        | +0.46%        | P       |
| 2  | RIPPLE & NOISE          | 60mVp-p (Max.)     | I/P:24VDC<br>O/P:FULL LOAD<br>Ta:25°C        | 22.6mVp-p     | P       |
| 3  | LINE REGULATION         | -0.5%~+0.5% (Max.) | I/P:18VDC ~36VDC<br>O/P:FULL LOAD<br>Ta:25°C | -0.04%~+0.04% | P       |
| 4  | LOAD REGULATION         | -0.5%~+0.5% (Max.) | I/P:24VDC<br>O/P: MIN ~FULL LOAD<br>Ta:25°C  | -0.13%~+0.03% | P       |

**INPUT FUNCTION TEST**

| NO | TEST ITEM           | SPECICATION                                   | TEST CONDITION                             | RESULT                              | VERDICT |
|----|---------------------|---|--|-------------------------------------|---------|
| 1  | INPUT VOLTAGE RANGE | 18VDC~36VDC                                   | I/P:TESTING<br>O/P:FULL LOAD<br>Ta:25°C    | 16.5VDC~36VDC                       | P       |
| 2  | EFFICIENCY          | 83% (Typ.)                                    | I/P:24VDC<br>O/P:FULL LOAD<br>Ta:25°C      | 85.06%                              | P       |
| 3  | INPUT CURRENT       | 625mA FULL LOAD (Max.)<br>35mA NO LOAD (Typ.) | I/P:24VDC<br>O/P:NO / FULL LOAD<br>Ta:25°C | 590mA / FULL LOAD<br>18mA / NO LOAD | P       |

**PROTECTION FUNCTION TEST**

| NO | TEST ITEM            | SPECICATION                            | TEST CONDITION                      | RESULT                                   | VERDICT |
|----|----------------------|--|-------------------------------------|--|---------|
| 1  | OVER LOAD PROTECTION | 110%~180% (Typ.)                       | I/P:24VDC<br>O/P:TESTING<br>Ta:25°C | 156%<br>HICCUP MODE<br>AUTO-RECOVER      | P       |
| 2  | SHORT PROTECTION     | SHORT EVERY OUTPUT<br>1 HOUR NO DAMAGE | I/P:36VDC<br>O/P:SHORT<br>Ta:25°C   | NO DAMAGE<br>HICCUP MODE<br>AUTO-RECOVER | P       |

**CONTROL FUNCTION TEST**

| NO | TEST ITEM      | SPECICATION  | TEST CONDITION                        | RESULT   | VERDICT |
|----|----------------|--|---------------------------------------|--|---------|
| 1  | REMOTE CONTROL | POWER ON<br>R.C ~ -Vin > 4VDC OR OPEN<br>POWER OFF<br>R.C ~ -Vin < 1VDC OR SHORT | I/P:24VDC<br>O/P:FULL LOAD<br>Ta:25°C | POWER ON :<br>> 2.5VDC OR OPEN<br>POWER OFF :<br>< 2.5VDC OR SHORT | P       |

**SAFETY TEST**

| NO | TEST ITEM            | SPECICATION          | TEST CONDITION                  | RESULT                        | VERDICT |
|----|----------------------|----------------------|---------------------------------|-------------------------------|---------|
| 1  | WITHSTAND VOLTAGE    | I/P-O/P:1500 VDC/min | I/P-O/P:1500 VDC/min<br>Ta:25°C | I/P-O/P: 0.002mA<br>NO DAMAGE | P       |
| 2  | ISOLATION RESISTANCE | I/P-O/P:500VDC>100MΩ | I/P-O/P:500 VDC<br>Ta:25°C      | I/P-O/P>100MΩ<br>NO DAMAGE    | P       |

**E.M.C TEST**

| NO | TEST ITEM | SPECICATION        | TEST CONDITION                        | RESULT | VERDICT |
|----|-----------|--------------------|---------------------------------------|--------|---------|
| 1  | RADIATION | EN55022<br>CLASS A | I/P:24VDC<br>O/P:FULL LOAD<br>Ta:25°C | PASS   | P       |

| DATE      | SAMPLE            | TEST RESULT | TESTER | APPROVAL     |
|-----------|-------------------|-------------|--------|--------------|
| 2009.3.13 | SAMPLE<br>(0816R) | PASS        | PETER  | VINCENT ZENG |