

Model : SLW05A-12 5W DC-DC Single Output Converter
 V1 : 12V / 41.7~417mA

OUTPUT FUNCTION TEST

| NO | TEST ITEM | SPECICATION | TEST CONDITION | RESULT | VERDICT |
|----|------------------|-------------------|--|---------|---------|
| 1 | VOLTAGE ACCURACY | -2%~+2% (Max) | I/P:12VDC O/P:50% LOAD Ta:25°C | +0.7% | P |
| 2 | RIPPLE & NOISE | 100mVp-p (Max) | I/P:12VDC O/P:FULL LOAD Ta:25°C | 15mV | P |
| 3 | LINE REGULATION | -0.2%~+0.2% (Max) | I/P:9VDC~18VDC O/P:FULL LOAD Ta:25°C | -0%~+0% | P |
| 4 | LOAD REGULATION | -0.5%~+0.5% (Max) | I/P:12VDC O/P:MIN~FULL LOAD Ta:25°C | -0%~+0% | P |

INPUT FUNCTION TEST

| NO | TEST ITEM | SPECICATION | TEST CONDITION | RESULT | VERDICT |
|----|------------------|------------------|---|----------|---------|
| 1 | DC VOLTAGE RANGE | 9VDC~18VDC (Typ) | I/P:TESTING O/P:FULL LOAD Ta:25°C | 5.9V~18V | P |
| 2 | EFFICIENCY | 80% (Typ) | I/P:12VDC O/P:FULL LOAD Ta:25°C | 78.9% | P |
| 3 | DC CURRENT | 556mA (Max) | I/P:12VDC O/P:FULL LOAD Ta:25°C | 546mA | P |

PROTECTION FUNCTION TEST

| NO | TEST ITEM | SPECICATION | TEST CONDITION | RESULT | VERDICT |
|----|----------------------|--|---------------------------------------|---|---------|
| 1 | OVER LOAD PROTECTION | YES | I/P:12VDC O/P:TESTING Ta:25°C | 174% Hiccup Mode Reset Auto Recovery | P |
| 2 | SHORT PROTECTION | SHORT EVERY OUTPUT 1 HOUR NO DAMAGE | I/P:12VDC O/P:FULL LOAD Ta:25°C | NO DAMAGE Hiccup Mode Reset Auto Recovery | P |

