

# 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 : ±0.2% O/P : FULL LOAD	-0%~+0.02%	P								
3	LOAD REGULATION	I/P : 48VDC      SPEC : ±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 : ±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/1000MΩ MIN.	I/P - O/P > 100M Ω	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 ΔT 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; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">POSITION</th> <th style="width: 20%;">SAMPLE</th> <th style="width: 20%;">TEMP</th> <th style="width: 20%;">ΔT</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	ΔT	CASE	SLW05C-05	45.3 °C	20.3 °C	P
POSITION	SAMPLE	TEMP	ΔT									
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										
DATE	SAMPLE	TEST RESULT	TEST	APPROVAL								
1998.8.28	SLW05C-05	PASS	鄭讚國	MAX LIN								