

Distributed by:



www.Jameco.com ♦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Quality Engineering Test Report

SERIES: SCW03B 3W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE: A:SCW03B-05 +5V / 600mA
B:SCW03B-12 +12V/250mA
C:SCW03B-15 +15V/200mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 18~36VDC O/P:FULL LOAD	A:10.1~36VDC	P
2	LINE REGULATION	I/P: 18~36VDC SPEC: 0.5% MAX. O/P: FULL LOAD	A: -0%~ +0% B: -0%~ +0.1% C: -0%~ +0%	P
3	LOAD REGULATION	I/P: 24VDC SPEC: ±1% O/P:MIN. TO FULL LOAD	A: -0%~ +0% B: -0%~ +0.1% C: -0.04%~ +0.05%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P: 18~36VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A: -0%~ +0% B: -0%~ +0.1% C: -0.05%~ +0.18%	P
5	RIPPLE&NOISE	I/P: 24VDC SPEC: 100mV O/P:FULL LOAD	A: 30mV B: 12mV C: 10mV	P
6	DC INPUT CURRENT	I/P: 24VDC SPEC: NONE O/P:FULL LOAD	A:0.16A	P
7	OVER LOAD PROTECTION	I/P: 24VDC SPEC: NONE O/P:TESTING	A: 200% B: 196% C: 225%	P
8	O/P VOLTAGE ACCURACY	I/P: 24VDC SPEC: ±2% O/P:MIN. LOAD	A: +0% B: +0.4% C: -0.02%	P
9	SET UP TIME	I/P:24VDC SPEC: NONE O/P:FULL LOAD	A:1.27mS	P
10	EFFICIENCY	I/P: 24VDC SPEC: 73% O/P:FULL LOAD	A: 78.1% B: 83.7% C: 86.1%	P
12	INSULATION RESISTANCE	SPEC:I/P-O/P 500VDC/100M Ohms MIN.	A:I/P-O/P >100M Ohms	P
13	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-O/P: 1000VDC/ 1 min (10mA CUT-OFF)	A:NO BREAK I/P-O/P :<0.02mA	P

NEXT

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT								
14	BURN-IN TEST	I/P:24VDC TA:25 °C O/P:FULL LOAD BURN-IN DURATION : 4 hrs	A:NO BREAK	P								
15	TEMPERATURE RISE TEST T rise OF PARTS	A:I/P :24VDC O/P :FULL LOAD TA:25 °C AFTER 4 hrs BURN-IN <table border="1"> <thead> <tr> <th>POSITION</th> <th>SAMPLE</th> <th>TEMP</th> <th>T rise</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>SCW03B-05</td> <td>37.5°C</td> <td>12.5°C</td> </tr> </tbody> </table>	POSITION	SAMPLE	TEMP	T rise	CASE	SCW03B-05	37.5°C	12.5°C		P
POSITION	SAMPLE	TEMP	T rise									
CASE	SCW03B-05	37.5°C	12.5°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 : WXHXD=31.8X12.2X20.3mm, PIN :0.5Øx3.8mm										
DATE	SAMPLE	TEST RESULT	TEST	APPROVAL								
1998.08.15	SCW03B-05	PASS	T.K.CHENG	MAX LIN								
1999.01.29	SCW03B-12 SCW03B-15	PASS	T.K.CHENG	MAX LIN								

PREVIOUS