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Quality Engineering Test Report

SERIES: SKE15C 15W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE:

A:	SKE15C -05	+5V / 300~300mA
B:	SKE15C -12	+12V / 125~125mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 36~72VDC O/P:FULL LOAD	B:27.2~72VDC	P
2	LINE REGULATION	I/P:36~72VDC SPEC: $\pm 0.3\%$ O/P:FULL LOAD	A: -0% ~ +0% B: -0% ~ +0%	P
3	LOAD REGULATION	I/P:48VDC SPEC: $\pm 0.5\%$ O/P:MIN. TO FULL LOAD	A: -0.2% ~ +0.2% B: -0% ~ +0%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P:36~72VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A: -0.2% ~ +0.2% B: -0% ~ +0%	P
5	RIPPLE&NOISE	I/P:48VDC SPEC: A:50mV O/P:FULL LOAD B:60mV	A: 20mV B: 20mV	P
6	DC INPUT CURRENT	I/P:48VDC SPEC: 0.4A O/P:FULL LOAD	B:0.37A	P
7	O/P VOLTAGE ACCURACY	I/P:48VDC SPEC: $\pm 2\%$ O/P:MIN. LOAD	A: -0.6%(4.97V) B: -0.8%(11.99V)	P
8	EFFICIENCY	I/P:48VDC SPEC: A:80% O/P:FULL LOAD B:82%	A: 81.7% B: 84.1%	P
9	OVER LOAD PROTECTION	I/P:48VDC SPEC: 160~250% O/P:TESTING	A: 161% B: 163%	P
10	INSULATION RESISTANCE	SPEC: I/P-O/P: 500VDC/100M Ohms MIN.	B: I/P-O/P >100M Ohms	P
11	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-O/P: 1000VDC/ 1 min (10mA CUT-OFF)	B: I/P-O/P:<0.002mA	P

NEXT

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT								
12	BURN-IN TEST	I/P:48VDC TA:28°C O/P:FULL LOAD BURN-IN DURATION : 15 hrs	A: NO BREAK B: NO BREAK	P								
13	TEMPERATURE RISE TEST T rise OF PARTS	B: I/P :48VDC O/P :FULL LOAD AFTER 15 hrs BURN-IN TA:28°C <table border="1"> <thead> <tr> <th>POSITION</th> <th>SAMPLE</th> <th>TEMP</th> <th>Trise</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>SKE15C-12</td> <td>49.1°C</td> <td>21.1°C</td> </tr> </tbody> </table>	POSITION	SAMPLE	TEMP	Trise	CASE	SKE15C-12	49.1°C	21.1°C		P
POSITION	SAMPLE	TEMP	Trise									
CASE	SKE15C-12	49.1°C	21.1°C									
14	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	1. PACKING : 軌道型塑膠包裝 2. MARKING : MODEL 3. MECHANICAL : MODULAR TYPE, PIN :1.0Øx5mm										
DATE	SAMPLE	TEST RESULT	TEST	APPROVAL								
9.10.2002	SKE15C-05 SKE15C-12	PASS	T.K.CHENG	MAX LIN								

PREVIOUS