Quality Engineering Test Report

SERIES: SKE15C 15W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE:

A: SKE15C -05 +5V / 300~3000mA
B: SKE15C -12 +12V / 125~1250mA

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: ±0.3% O/P:FULL LOAD	A: -0% ~ +0% B: -0% ~ +0%	P
3	LOAD REGULATION	I/P:48VDC SPEC: ±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: ±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

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

PREVIOUS