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Quality Engineering Test Report

SERIES: SKE10C 10W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE: A:SKE10C-05 5V / 2A
B:SKE10C-12 12V / 0.84A

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT								
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 36~72VDC O/P:FULL LOAD	A:29~72VDC	P								
2	LINE REGULATION	I/P:36~72VDC SPEC: $\pm 0.3\%$ O/P:FULL LOAD	A: 0% ~ 0% B: -0.3% ~ +0.1%	P								
3	LOAD REGULATION	I/P:48VDC SPEC: $\pm 1\%$ O/P:MIN. TO FULL LOAD	A: -0.2% ~ +0.4% B: -0.1% ~ +0.2%	P								
4	OUTPUT VOLTAGE TOLERANCE	I/P:36~72VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A: -0.2% ~ +0.4% B: -0.3% ~ +0.3%	P								
5	RIPPLE&NOISE	I/P:48VDC SPEC: A:50mV B:60mV O/P:FULL LOAD	A: 23mV B: 20mV	P								
6	DC INPUT CURRENT	I/P:48VDC SPEC: NONE O/P:FULL LOAD	A:0.26A	P								
7	O/P VOLTAGE ACCURACY	I/P:48VDC SPEC: $\pm 2\%$ O/P:MIN. LOAD	A: 5.02V B: 12.1V	P								
8	SET UP TIME	I/P:48VDC SPEC: NONE O/P:FULL LOAD	A:236mS	P								
9	EFFICIENCY	I/P:48VDC SPEC: >76% O/P:FULL LOAD	A: 80.1% B: 87.5%	P								
10	OVER LOAD PROTECTION	I/P:48VDC SPEC: NONE O/P:TESTING	A: 174% B: 167%	P								
11	INSULATION RESISTANCE	SPEC: I/P-O/P: 500VDC/100M Ohms MIN.	A: I/P-O/P>100M Ohms	P								
12	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-O/P: 500VDC/ 1 min (10mA CUT-OFF)	A: I/P-O/P:<0.5mA	P								
13	BURN-IN TEST	I/P:48VDC O/P:FULL LOAD TA:22°C BURN-IN DURATION : 4 hrs	A: NO BREAK B: NO BREAK	P								
14	TEMPERATURE RISE TEST T rise OF PARTS	A: I/P :48VDC AFTER 4 hrs BURN-IN O/P :FULL LOAD TA:24°C	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">POSITION</th> <th style="width: 25%;">SAMPLE</th> <th style="width: 25%;">TEMP</th> <th style="width: 25%;">T rise</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">CASE</td> <td style="text-align: center;">SKE10C-05</td> <td style="text-align: center;">49.7°C</td> <td style="text-align: center;">25.7°C</td> </tr> </tbody> </table>	POSITION	SAMPLE	TEMP	T rise	CASE	SKE10C-05	49.7°C	25.7°C	P
POSITION	SAMPLE	TEMP	T rise									
CASE	SKE10C-05	49.7°C	25.7°C									
15	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	1. PACKING : 以塑膠泡墊保護PIN腳,再以紙盒包裝 2. MARKING : MODEL LABELx1 3. MECHANICAL : MODULAR TYPE, PIN :1.0x7mm										
DATE	SAMPLE	TEST RESULT	TEST	APPROVAL								
980729	SKE10C-05 SKE10C-12	PASS	T.K.CHENG	MAX LIN								