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# Quality Engineering Test Report

**SERIES: SKE10B    10W DC-DC SINGLE OUTPUT CONVERTER**

**SAMPLE:            A.SKE10B-24            +24V / 420mA**

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT							
1	DC INPUT VOLTAGE RANGE	I/P:TESTING            SPEC: 18~36VDC O/P:FULL LOAD	A:14~36VDC	P							
2	LINE REGULATION	I/P:18~36VDC            SPEC: $\pm 0.3\%$ O/P:FULL LOAD	A:-0.01%~+0.01%	P							
3	LOAD REGULATION	I/P:24VDC                SPEC: $\pm 1\%$ O/P:MIN. TO FULL LOAD	A:-0.01%~+0.05%	P							
4	OUTPUT VOLTAGE TOLERANCE	I/P:18~36VDC            SPEC: NONE O/P:MIN. TO FULL LOAD	A:-0.02%~+0.06%	P							
5	RIPPLE&NOISE	I/P:24VDC                SPEC: 80mV O/P:FULL LOAD	A:15mV	P							
6	DC INPUT CURRENT	I/P:24VDC                SPEC: 550mA O/P:FULL LOAD	A:508mA	P							
7	O/P VOLTAGE ACCURACY	I/P:24VDC                SPEC: $\pm 2\%$ O/P:MIN. LOAD	A:+0.02%	P							
8	SET UP TIME	I/P:24VDC                SPEC: NONE O/P:FULL LOAD	A:16.1mS	P							
9	EFFICIENCY	I/P:24VDC                SPEC: 83% TYP O/P:FULL LOAD	A:82.8%	P							
10	OVER LOAD PROTECTION	I/P:24VDC                SPEC: 160~250% O/P:TESTING	A:196%	P							
11	INSULATION RESISTANCE	SPEC:I/P-O/P 500VDC/1000M Ohms MIN.	A:I/P-O/P > 1000M Ohms	P							
12	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-O/P: 500VDC/ 1 min (10mA CUT-OFF)	A:NO BREAK I/P-O/P :<0.02mA	P							
13	BURN-IN TEST	I/P:24VDC                O/P:FULL LOAD TA:25 °C                BURN-IN DURATION : 96 hrs	A:NO BREAK	P							
14	TEMPERATURE RISE TEST T rise OF PARTS	A:I/P :24VDC            AFTER 96 hrs BURN-IN O/P :FULL LOAD        TA:25 °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;">SKE10B-24</td> <td style="text-align: center;">52.0°C</td> <td style="text-align: center;">27.0°C</td> </tr> </tbody> </table>	POSITION	SAMPLE	TEMP	T rise	CASE	SKE10B-24	52.0°C	27.0°C	P
POSITION	SAMPLE	TEMP	T rise								
CASE	SKE10B-24	52.0°C	27.0°C								
15	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	1. PACKING : 塑膠軌道型包裝 2. MARKING : MODEL LABELx1 3. MECHANICAL : SIX-SIDE SHIELDED CASE, PIN :1.0 Øx7mm									
DATE	SAMPLE	TEST RESULT	TEST	APPROVAL							
2000.12.18	SKE-10B-24	PASS	T.K.CHENG	MAX LIN							