

**Model :DET01M-05**

V1: + 5V/200mA

**OUTPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	-7.5%~+10% (Max)	I/P:12VDC O/P:50% LOAD Ta:25°C	V1: -0.4% V2: +0.1%	P
2	RIPPLE & NOISE	75mVp-p (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	V1: 50mV V2: 55mV	P
3	LINE REGULATION	1.2% (Typ) FOR Vin CHANGE OF 1%	I/P:TESTING O/P:FULL LOAD Ta:25°C	V1: 1.21% V2: 1.20%	P
4	LOAD REGULATION	-8%~+8% (Max)	I/P:12VDC O/P:MIN-FULL LOAD Ta:25°C	V1: -2.55% ~ +3.29% V2: -2.50% ~ +3.28%	P

**INPUT FUNCTION TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	EFFICIENCY	74% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	74.0%	P
2	DC CURRENT	NONE	I/P:12VDC O/P:NO LOAD / FULL LOAD Ta:25°C	16.3mA / NO LOAD 115.7mA / FULL LOAD	P

**ENVIRONMENT TEST**

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT								
1	TEMPERATURE RISE TEST	1. ROOM AMBIENT BURN-IN : 8HRS I/P: 12VDC O/P: 100% LOAD Ta= 28.6°C 2. HIGH AMBIENT BURN-IN : 2HRS I/P: 12VDC O/P: 100% LOAD Ta= 85.0°C			P								
				<table border="1"> <thead> <tr> <th>Position</th> <th>P/N</th> <th>1</th> <th>2</th> </tr> </thead> <tbody> <tr> <td>CASE</td> <td>UPON CENTER</td> <td>55.2°C</td> <td>95.8°C</td> </tr> </tbody> </table>	Position	P/N	1	2	CASE	UPON CENTER	55.2°C	95.8°C	
Position	P/N	1	2										
CASE	UPON CENTER	55.2°C	95.8°C										
2	LOW TEMPERATURE TURN ON TEST	TURN ON AFTER 2 HOURS	I/P:12VDC O/P: 100% LOAD Ta= -40°C	TEST : OK	P								

**SAFETY TEST**

NO	TEST ITEM	SPECIFICATION	TEST CONDITION	RESULT	VERDICT
1	WITHSTAND VOLTAGE	I/P-O/P:3KVDC/min	I/P-O/P:3KVDC/min Ta:25°C	I/P-O/P:0.02mA NO DAMAGE	P
2	ISOLATION RESISTANCE	I/P-O/P:500VDC>1000MΩ	I/P-O/P:500VDC Ta:25°C	I/P-O/P:>9999MΩ NO DAMAGE	P

DATE	SAMPLE	TEST RESULT	TESTER	APPROVAL
2006.10.23	DET01M-05	PASS	PETER CHENG	MAX LIN