




DLP-PU/EJ

EVALUATION DATA

DWG No. CA738-53-01/EJ		
APPD	CHK	DWG
 15-Mar-04	 8-Mar-04	 8-Mar-04

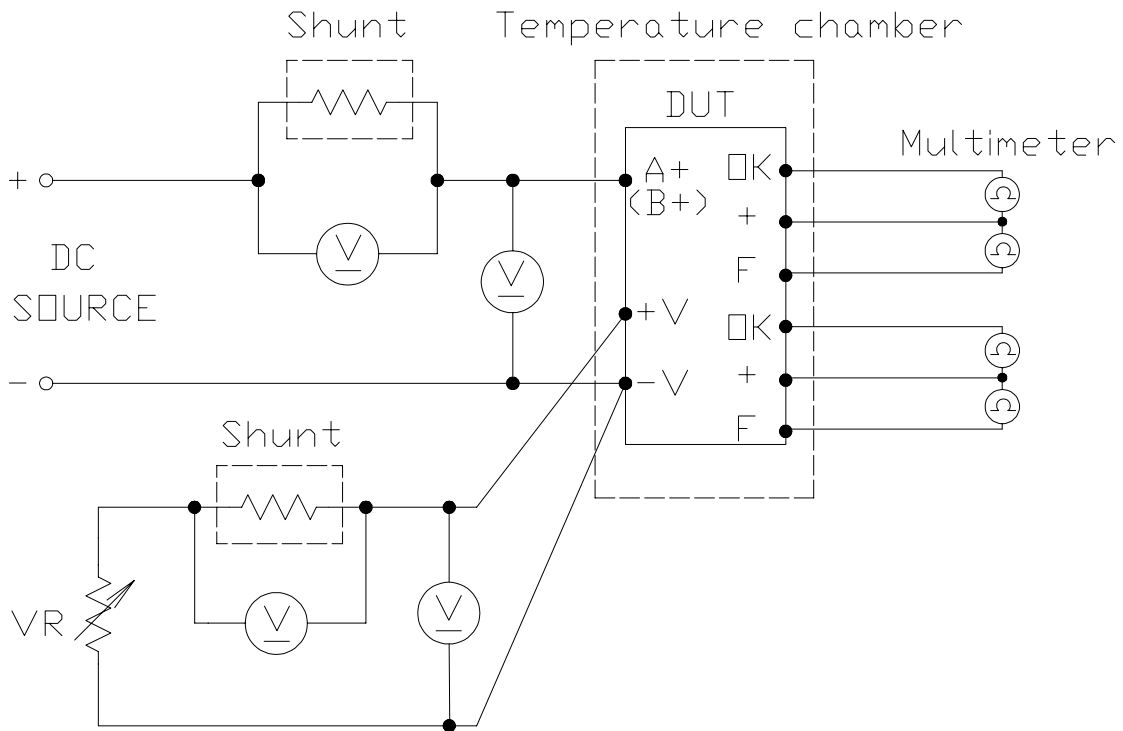
INDEX

1. Evaluation Method	PAGE
1. 1 Circuit used for determination	T-1
1. 2 List of equipment used	T-1
2. Characteristics	
2. 1 LED indicator and Alarm function check v.s temperature	T-2
2. 2 Efficiency and Power loss v.s Output current	T-3
2. 3 Voltage drop($V_{in}-V_{out}$) v.s Output current	T-4

Terminology used

	Definition
V_{in}	Input voltage
V_{out}	Output voltage
V_{drop}	$V_{in}-V_{out}$
I_{out}	Output current
T_a	Ambient temperature

1.1 Circuit used for determination



1.2 List of equipment used

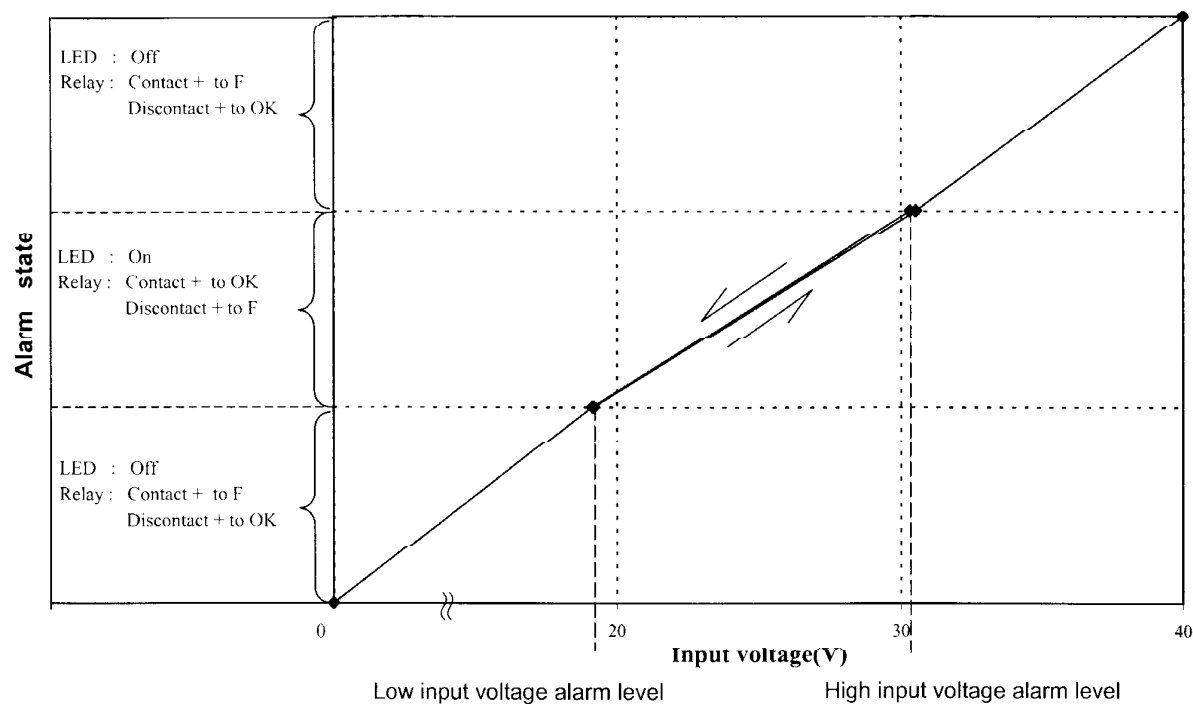
	Equipment used	Manufacturer	Model NO.
1	DC source	DENSEI-LAMBDA	JWS600-24
2	Dynamic dummy load (VR)	CHROMA	63030
3	Shunt	YOKOGAWA	2215 (class0.2, 50mV 20A)
4	Temperature chamber	ESPEC	SU-241
5	Multimeter	FLUKE	45 Dual display multimeter

2.1 LED indicator and Alarm function check v.s temperature

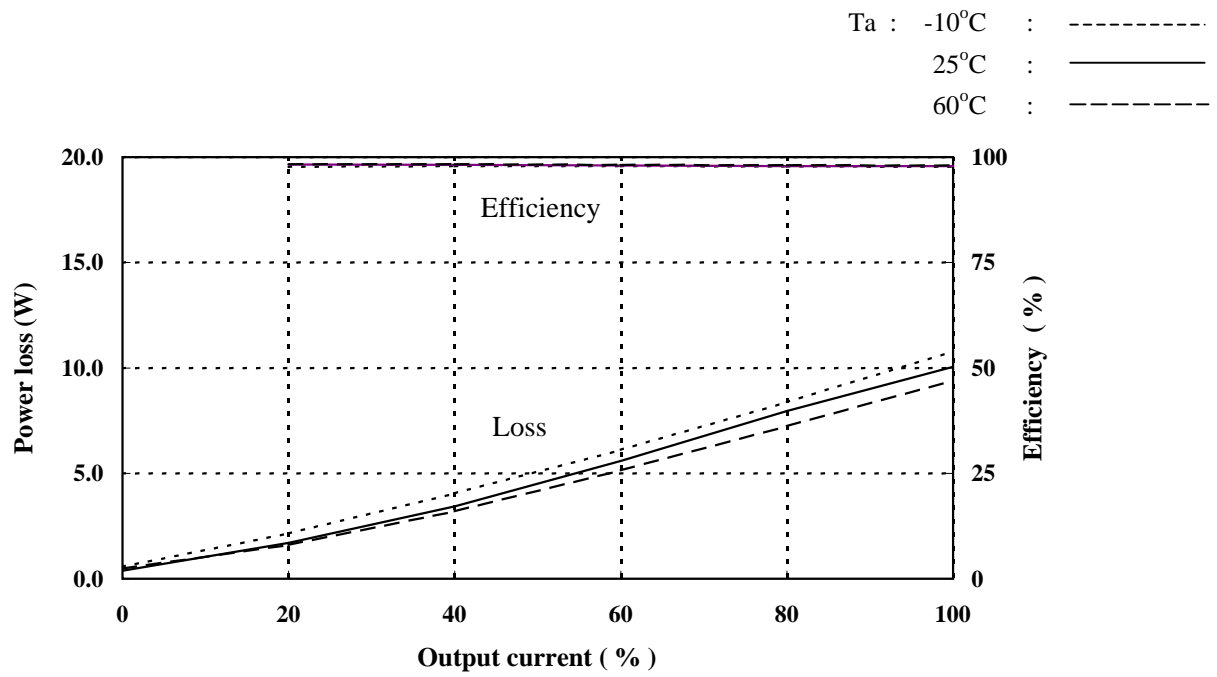
Alarm function characteristic (at Iout=0A, no load)

Ta:	Low input voltage alarm level (V)			High input voltage alarm level (V)		
	Increase voltage	Decrease voltage	Hysteresis	Increase voltage	Decrease voltage	Hysteresis
-10°C	19.230	19.189	0.041	29.819	29.610	0.209
25°C	19.199	19.141	0.058	30.540	30.330	0.210
60°C	19.223	19.086	0.137	31.179	30.980	0.199

LED indicator and Relay alarm function characteristics (Ta=25°C)



2. 2 Efficiency and Power loss v.s Output current



2.3 Voltage drop(Vin-Vout) v.s Output current

