

LINV-03(4W OUTPUT WITH DIMMING FUNCTION)

DESCRIPTION :

This DC to AC inverter was developed for LCD backlight application.

Applicable LCD : 12.1 inch one lamp type

Lamp Voltage 700V

Lamp Current 6.5mA

Lamp Start Voltage 1350Vrms

FEATURES :

PWM dimming type

Current feed back circuit

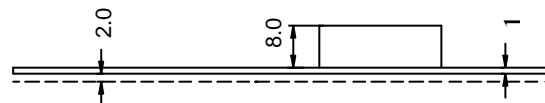
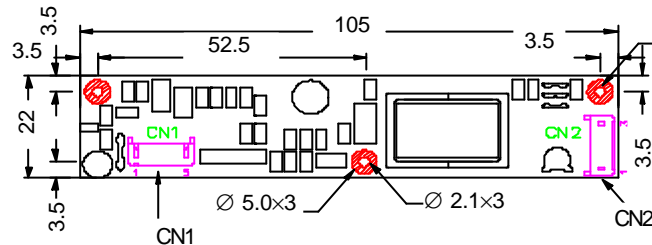
Regulated output current



TEMPERATURE & HUMIDITY :

Operating Temperature Range	0°C ~ +60°C
Storage Temperature Range	-40°C ~ +70°C
Humidity	95% RH max

DIMENSIONS :



Unit : mm

SPECIFICATION :

Characteristic	Symbol	Min.	Typ.	Max.	Units
Input Voltage Range	V _{in}	10	12	14	V _{dc}
Input Current	I _{in}	---	---	0.5	A _{dc}
Minimum Output Voltage	V _{out(min)}	1400	---	---	V _{rms}
Output Voltage	V _{out}	550	625	700	V _{rms}
Output Current	I _{out}	1.9	---	6.5	mArms
Operating Frequency	F _o	48	54	60	KHz

* Specification can be modified per customer's design.

CONNECTOR PIN ASSIGNMENT:

CN1: Input Conector : S5B-PH-SM3(JST)

Pin	Symbol	Note
CN1-1	V _{in}	12 V
CN1-2	GND	0 V
CN1-3	V _{br}	0 ~ 5 V
CN1-4	NC	
CN1-5	V _{on/off}	5V/0V

CN2: Output Conector:SM02(8.0)B-BHS(JST)

Pin	Symbol	Note
CN2-1	V _{HIGN}	625Vrms(6.5mArms)
CN2-2	NC	
CN2-3	V _{LOW}	0 V

* All specification are subjected to change without notice.