

10.8~13.2V input / 7.5mA four output

This Inverter features analog dimming control via a dc control level of 5V min. to 0V max., it has open load protection and with current feed back control method.

This Inverter is designed for 19" TFT-LCD which are used on LCD Monitor, LCD PC and LCD TV etc., It's suitable to the TFT-LCD of LG LM190E02-A4.

Physical Specifications

Dimensions : 180mmX40mmX9.6mm
 Operation Temp. : 0 ~ 50 , convection cooling
 Relative Humidity : 20 ~ 90%, non-condensing
 Storage : -20 ~ 85 / 5 ~ 95% RH
 MTBF : 50,000 hrs at normal operation

Maximum Ratings :

PARAMETERS	SYMBOLS	LIMITS	UNIT	REMARKS
Operation Temperature	Top	0 ~ 50		
Storage Temperature	Tstg	-20 ~ 85		
Relative Humidity	RH	95	%	

Input Characteristics :

PARAMETERS	SYMBOLS	Min.	Typ.	Max.	UNIT	REMARKS
Input Voltage	Vin	10.80	12.00	13.20	VDC	
Input Current	Iin	-	1.95	2.10	ADC	Vin=12V
Control On Voltage	Von	4.50	-	5.00	VDC	
Control Off Voltage	Voff	0.0	0.0	0.40	VDC	
Dimming Control	Vdim	0.0	-	5.00	VDC	

Input Connector :

LOCATION	INPUT CONNECTOR	ADAPTABLE SOCKET
CN1	JST S7B-SM3-TB or equiv.	JST PHR-7or equiv.

Output Connector :

LOCATION	INPUT CONNECTOR	ADAPTABLE SOCKET
CN2, 3, 4, 5	JST SM02B-BHS-1-TB or equiv.	JST BHSR-02VS-1 or equiv.

CHAFAER-TECH INT'L CO., LTD.

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Output Characteristics :

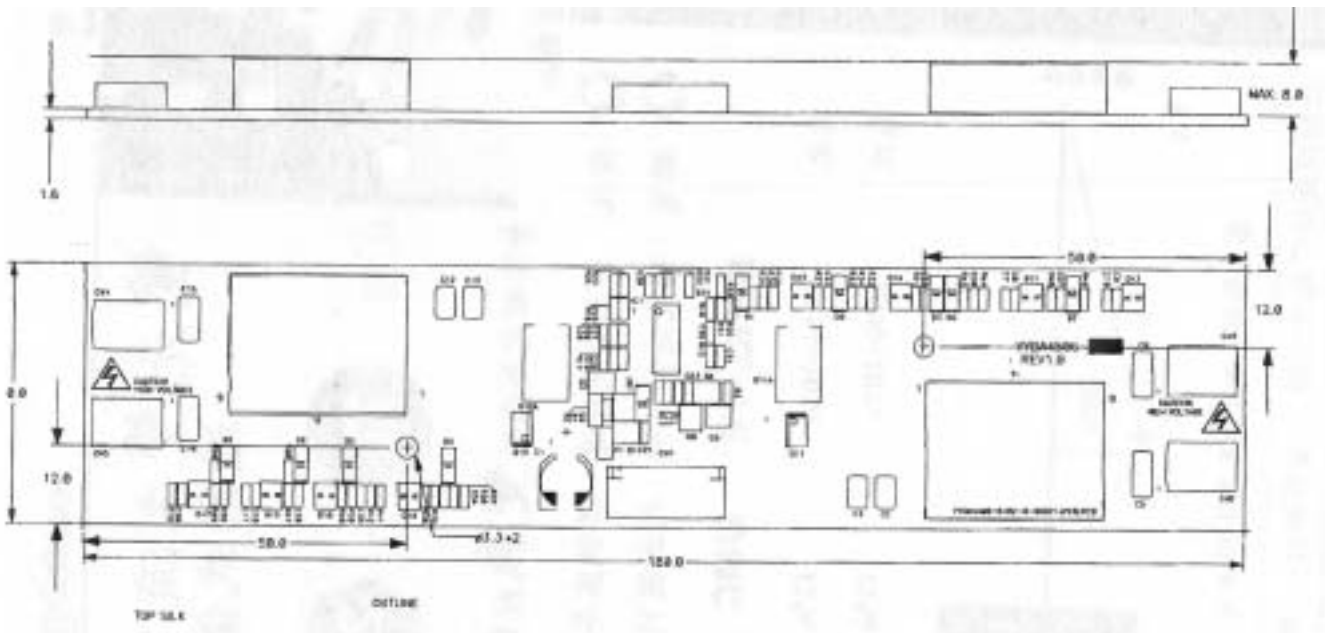
PARAMETERS	SYMBOLS	Min.	Typ.	Max.	UNIT	REMARKS
Min. Output Current	I _{min}	3.00	3.50	4.00	mA	V _{in} =12V, V _{dim} @ 5V
Max. Output Current	I _{max}	7.00	7.50	8.00	mA	V _{in} =12V, V _{dim} @ 0V
Open Circuit O/P Voltage	V _{open}	1,100	1,300	1,600	VACrms	
Output Frequency	F _o	35	40	50	KHz	
No Load Shutdown Time	T _{sd}	1.00	-	-	Sec	

* Measuring with TFT-LCD 19" HT190E01-100.

Connector Pin Configurations :

CN1	1	2	3	4	5	6	7
	V _{in}	V _{in}	GND	GND	Dimming	GND	On/off
CN2, 3, 4, 5	1	2					
	HV1	RTN					

Shapes and Dimensions :



Mylar Sheet : 180*40mm

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