



AMG320240E (320 DOTS X 240 DOTS)

FEATURES

- ◆ NO BUILT-IN CONTROLLER
- ◆ 3.3V POWER SUPPLY
- ◆ 1/240 DUTY CYCLE
- ◆ BUILT-IN ELECTRIC VOLUME
- ◆ 4-BIT PARALLEL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	110.0 x 70.1 x 7.9	mm
Viewing Area (W x H)	78.8 x 57.9	mm
Active Area (W x H)	76.79 x 55.19	mm
Dot Size (W x H)	0.23 x 0.22	mm
Dot Pitch (W x H)	0.24 x 0.23	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	VDIN	H/L	Electric Volume data input pin.
2	VCLK	H/L	Electric Volume data input pin.
3	VSTRB	H/L	Electric Volume data input pin.
4	VDD	3.3V	Power Supply Voltage
5	FLM	H/L	Frame start signal
6	VSS	0V	Power Supply Ground
7	CL1	H/L	Common Driver Data Shift Signal
8	VSS	0V	Power Supply Ground
9	M	H/L	Control Signal For AC Driving
10	/D-OFF	H/L	Display OFF. Active LOW.
11	CL2	H→L	Common Driver Data Shift Signal
12~13	NC	-	No Connection.
14~17	DB3~DB0	H/L	Data Bus Line
18~22	NC	-	No Connection.
23	VDD	3.3V	Logic supply voltage
24	/BL_ON	L	EL/LED Backlight Signal

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	VDD-VSS	0	-	7	V
Supply Voltage For LCD Drive	Vo-VSS	0	-	30	V
Input Voltage	VI	VSS	-	VDD	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage For Logic	VDD-VSS	-	2.7	3.3	4.5	V	
LCD Supply Voltage	Vo-VSS	VDD=3.3V Ta=25°C	19.8	21.0	22.3	V	
Supply Current	IDD	VDD=3.3V	-	4.5	6.5	mA	
Input Voltage	"HIGH" Level	V _{IH}	-	2.2	-	VDD	V
	"LOW" Level	V _{IL}	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V _{OH}	-	2.4	-	V	
	"LOW" Level	V _{OL}	-	-	-	0.4	V

EXTERNAL DIMENSIONS

