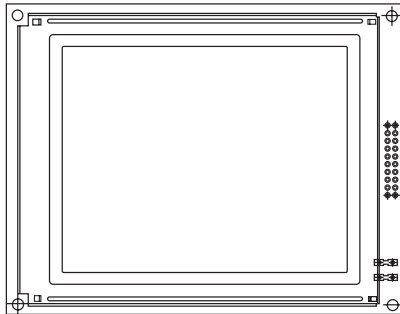


160 x 128 Dots Graphic LCD



FEATURES

- Built in controller TOSHIBA-(T6963C or equivalent)
- + 5V power supply
- 1/28 duty cycle
- N.V. optional
- Built in CCFL inverter

MECHANICAL DATA		
ITEM	STANDARD VALUE	UNIT
Module Dimension	129.0 x 102.0	mm
Viewing Area	101.0 x 82.0	mm
Dot Size	0.54 x 0.54	mm
Dot Pitch	0.58 x 0.58	mm
Mounting Hole	122.0 x 96.2	mm

ABSOLUTE MAXIMUM RATING					
ITEM	SYMBOL	STANDARD VALUE			UNIT
		MIN.	TYP.	MAX.	
Power Supply	VDD-VSS	4.75	5.0	5.25	V
Input Voltage	VI	- 0.3	-	VDD	V

NOTE: VSS = 0 Volt, VDD = 5.0 Volt

ELECTRICAL SPECIFICATIONS						
ITEM	SYMBOL	CONDITION	STANDARD VALUE			UNIT
			MIN.	TYP.	MAX.	
Input Voltage	VDD	L level	$0.7V_{DD}$	-	V_{DD}	V
	VIO	H level	0	-	$0.3V_{DD}$	V
Supply Current	IDD	VDD = 5V	-	45	50	mA
Recommended LC Driving Voltage for Normal Temp. Version Module	VDD - V0	- 20 °C	19.9	21.0	22.1	V
		0 °C	19.0	-	21.2	
		25 °C	18.6	19.1	19.6	
		50 °C	16.2	16.5	16.8	
		70 °C	11.6	9.1	12.8	
CCFL Forward Voltage	VF	25 °C	-	256	560	V
CCFL Forward Current	IF	25 °C	-	-	5.0	mA
LED Forward Voltage	VF	25 °C	-	4.6	4.6	V
LED Forward Current	IF	25 °C	-	-	500	mA

