



TG243210

240 x 320 dots

FSTN

Reflective / EL Backlight

DIMENSIONAL DATA

Item	Measurement (W) x (H) x (T)	Unit
Module Dimension	70.6 x 89.6 x 7.2 Max.	mm
Viewing Area	61.8 x 80.3	mm
Dot Pitch	0.24 x 0.24	mm
Dot Size	0.225 x 0.225	mm
Weight 50		g
Controller/Driver	NT7701/NT7702	

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Condition	Min.	Max.	Unit
Supply Voltage (Logic)	$V_{DD} - V_{SS}$	Ta = 25 C	0.3	6.5	V
Supply Voltage (LCD)	$V_{EE} - V_{SS}$			45.0	V
Input Voltage	V_I		V_{SS}	V_{DD}	V
Operating Temp.	T_{opr}		0	50	C
Storage Temp.	T_{stg}		-20	70	C

ELECTRICAL CHARACTERISTIC

Item	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Supply Voltage (Logic)	$V_{DD} - V_{SS}$	--	2.5	3.0	5.5	V
Supply Voltage (LCD)	$V_{EE} - V_{SS}$	--	--	20	--	V
Supply Current	I_{DD}	LCD-ON	--	9.0	--	mA
		LCD-OFF	--	0.1	--	
	I_{EL}	IF EL B/L=ON	--	2.2	--	
		IF EL B/L=OFF	--	0.05	--	
Input Voltage "H" Level	V_{IH}	High Level	$0.8 * V_{DD}$	--	V_{DD}	V
Input Voltage "L" Level	V_{IL}	Low Level	V_{SS}	--	$0.2 * V_{DD}$	V
Frame Frequency	F_f	Ta = 25 C	--	70	--	Hz
Viewing Angle	1 - 2	Ta = 25 C	--	33	--	Deg.
	1. 2	CR 8	--	32	--	
EL Operation condition		AC 100Vrms 400Hz	SINE WAVE			

OUTLINE DIMENSION

