



**TG322440**

**320 x 240 dots**

FSTN

Reflective / CCFL Backlight

**DIMENSIONAL DATA**

Item	Measurement (W) x (H) x (T)	Unit
Module Dimension	166 x 109 x 9.2 Max. (CCFL B/L)	mm
Viewing Area	121 x 91.6	mm
Dot Pitch	0.36 x 0.36	mm
Dot Size	0.34 x 0.34	mm
Weight	-	g
Controller/Driver	NT7701/NT7705	

**ABSOLUTE MAXIMUM RATINGS**

Item	Symbol	Condition	Min.	Max.	Unit
Supply Voltage (Logic)	$V_{DD} - V_{SS}$	-	0.3	6.5	V
Supply Voltage (LCD)	$V_{EE} - V_{SS}$	-	0.3	30	V
Input Voltage	$V_I$	$T_a = 25\text{ C}$	$V_{SS}$	$V_{DD}$	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	3.3	5.5	V
Supply Voltage (LCD)	$V_{EE} - V_{SS}$	- -	17.6	19	20.4	V
Supply Current	$I_{DD}$	$V_{DD} - V_{SS} = 3.3\text{V}$	-	0.05	0.1	mA
	$I_{EE}$		--	1.5	3.0	mA
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	$F_f$	$T_a = 25\text{ C}$	--	6.4	--	Hz
Viewing Angle	1 - 2	$T_a = 25\text{ C}$	--	6.0	--	Deg.
	1. 2		--	6.0	--	

**OUTLINE DIMENSION**

