



NT-C2425A-GRSNN-B12

24 CHARACTERS X 2 LINES

NELY, YOUR SUPPLIER, AND YOUR PARTNER!



ALL DIMENSIONS ARE IN MM. TOLERANCE IS +/-0.2 UNLESS OTHERWISE NOTED.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	03/10/15	A.CH	NEW RELEASE

PINS ASSIGNMENT			
NO.	SYMBOL	DESCRIPTION	UNIT
1	VSS	POWER SUPPLY	
2	VDD	POWER SUPPLY	
3	V0	OPERATING VOLTAGE FOR LCD	
4	RS	DATA/INSTRUCTION SELECT	
5	R/W	READ/WRITE CONTROL	
6	E	ENABLE SIGNAL	
7-14	DB0-DB7	DATA BUS	

ABSOLUTE MAXIMUM RATING			
ITEM	SYMBOL	MIN	MAX
POWER SUPPLY(V _{DD})	VDD-VSS	-0.3	7.0
POWER SUPPLY(LCD DRV.)	VDD-V0	-0.3	13.5
INPUT VOLTAGE	V _I	-0.3	VDD

ELECTRICAL CHARACTERISTICS (VDD=5.0±0.25V, 25°C)					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT	IDD	-	1.0	1.2	mA
VOLTAGE FOR LCD	VDD-V0	-	4.7	-	V
INPUT VOLTAGE	V _{IH}	2.2	-	VDD	V
	V _{IL}	-0.3	-	0.6	V
OUTPUT VOLTAGE	V _{OH}	2.4	-	-	V
	V _{OL}	-	-	0.4	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	108.5V x 34.9H x 1.00T	MM
VIEWING AREA	93.5V x 15.8H	MM
CHARACTERS	24 CHARACTERS x 2 LINES	MM
CHARACTER SIZE	3.15V x 4.43H	MM
CHARACTER PITCH	3.75V x 6.55H	MM

OPTIONS	
1.	LCD TYPE: GRAY STN
2.	BACKLIGHT: WITHOUT BACKLIGHT
3.	TEMPERATURE RANGE: NORMAL(0--50°C)
4.	POWER SUPPLY: 5.0(V)
5.	VIEWING ANGLE: 6H
6.	CHARACTER TABLE: EUROPEAN