

## Parametry panelu LCD T218010 dedykowanego procesorom MSP430:

### 1. Podstawowe parametry:

<i>Item</i>	<i>Characteristic</i>
<i>Display mode</i>	Positive mode
<i>Display type</i>	Reflective
<i>Viewing angle</i>	6 o'clock
<i>Connector</i>	Pin type
<i>Polarizer</i>	Wide temperature
<i>Driving</i>	Multiplex driving 1/4 duty, 1/3 bias

<i>Item</i>	<i>Symbol</i>	<i>Conditions</i>	<i>Standard</i>			
			Min.	Typ.	Max	
Operating voltage	$V_{opr}$		-	3,00	-	V
Operating frequency (Frame Frequency)	$F_{opr}$ ( $f_{FRM}$ )		-	64	-	Hz

### 2. Maksymalne wartości:

<i>Item</i>	<i>Symbol</i>	<i>Conditions</i>	<i>Standard</i>		<i>Unit</i>
			Min.	Max.	
AC supplied voltage	-	-	-	15	V
DC supplied voltage	-	$\leq 1hr$	-	5	V
Residual DC element	-	-	-	150	mV
Operating temperature range	$T_{opr.}$	-	0	60	$^{\circ}C$
Storage temperature range	$T_{str.}$	-	-25	80	$^{\circ}C$
Storage humidity (relative)	-	$\leq 48hr$	20	85	%RH
		$\leq 1000hr$	20	65	

### 3. Właściwości struktury:

<i>ITEM</i>	<i>STRUCTURE</i>
SEAL	ORGANIC SEAL
FRONT POLARIZER	42% TRANSMISSIVE with UV resistant property
REAR POLARIZER	48% TRANSMISSIVE
	WITH REFLECTOR

<i>ITEM</i>	<i>ELECTRICAL&amp;PHYSICAL DATA</i>
DRIVE METHOD	MULTIPLEX
OPERATING METHOD	¼ DUTY; 1/3 BIAS
FRAME FREQUENCY	64Hz
OPERATING VOLTAGE	3.0 V
THRESHOLD VOLTAGE (10% ON)	Vrms (25° C, 32Hz)
SATURATE VOLTAGE (90% ON)	Vrms (25° C, 32Hz)
POWER CONSUMPTION	µA/cm <sup>2</sup> (25° C, 32Hz)
RISE TIME	mS (25° C, 32Hz)
DECAY TIME	mS (25° C, 32Hz)
OPERATING TEMPERATURE	0° C - 60° C
STORAGE TEMPERATURE	-25° C – 80° C
LIFE	MIN. 100 000 HOURS

