

The VF-0240-52 is a vacuum fluorescent display with 5-mm high characters arranged in a 5 x 7 dot matrix format. Data may be written in to of read from the module through a parallel, TTL level, and 8-bit data bus

The VF-0240-52 has the following function capability: Data Write, Command Write, Serial Operation, Self Test, Alternate Character Font.

FEATURES

Format: 2 line of 40 characters	Font: English, General European
Character Height: 4.63 mm	Color: Blue Green
Character Spacing: 4.25mm, C to C	Luminance: 70 fL min
Character Design: 5 x 7 dot matrix	Viewing Angle: 150°
Character Set: 96 Character ASCII + Alternate Katakana	Life: 100,000+ hours

SPECIFICATIONS*Absolute Maximum Ratings*

PARAMETER	SYM	MIN	MAX	UNITS
Supply Voltage	V _{CC}	-	+5.25	Volts
High Level Input Voltage	V _{IH}	-	V _{CC}	Volts
Low Level Input Voltage	V _{IL}	-	0.8	Volts
Vibration (Sine) (10 -55 Hz)		-	2	G
Shock Non-Operating			20	G

Recommended Operating Conditions

PARAMETER	SYM	MIN	TYP	MAX	UNITS
Supply Voltage	V _{CC}	4.75	5.0	5.25	VDC
Supply Current	I _{CC}	-	0.8	1.0	A
High Level Output Current	I _{OH}	-	-	-400	μA
Low Level Output Current	I _{OL}	-	-	-2	mA
High Level Input Voltage	V _{IH}	2.0	-	V _{CC}	VDC
Low Level Input Voltage	V _{IL}	-0.5	-	0.8	VDC
High Level Output Voltage	V _{OH}	2.4	-	-	VDC
Low Level Output Voltage	V _{OL}	-	-	0.45	VDC

Environmental Characteristics

Operating Temperature	0 to +55 °C
Storage Temperature	-40 to +85 °C
Operating Relative Humidity	0 to 95% non-condensing

J1 - Data Connector

<u>Pin Number</u>	<u>Function</u>	<u>Pin Number</u>	<u>Function</u>	<u>Pin Number</u>	<u>Function</u>
1	Busy	5	Data 2 ⁵	9	Data 2 ¹
2	Write	6	Data 2 ⁴	10	Data 2 ⁰
3	Data 2 ⁷ (MSB)	7	Data 2 ³	11	+5V
4	Data 2 ⁶	8	Data 2 ²	12	Ground

Outline and Mounting Drawing:

