



## Character VFD's



### VFD2041 Vacuum Fluorescent Display

**Alphanumeric Serial VFD, 20 characters x 4 lines.** This Vacuum Fluorescent Display offers excellent speed, great looks, and wide operating temperature. Perfect for automotive applications.

- Matrix Format 5 x 7 with underline

- Character Size 2.4 x 4.7 mm (XxY), not including underline
- Color of Illumination Blue / Green
- Supply Voltage 5 VDC (optional 8 - 15VDC) 275 mA typical
- Supply Current (All dots on) 275 mA typical

Product	Description
VFD2041	VFD Display, 4 rows of 20 characters
VFD2041-V	VFD2041 Wide Voltage
VFD2041-E	Extended temperature
VFD2041-V-E	Extended temperature, Wide Voltage
VFD2041-VPT	Wide voltage, Efficient power supply
VFD2041-VPT-E	Extended temperature, Efficient supply



### VK162-12 Vacuum Fluorescent Display

**With Alphanumeric LCD with 12-key keypad interface, 16x2 characters.**

- 16 characters x 2 lines
- Character Size 2.46 x 4.76mm
- Display size: 51.36mm(L) x 11.4mm(W)
- Yellow/Green Background
- Supply Voltage 5 VDC (optional 7 - 15VDC)
- Supply Current: 21mA typical

**Keypad not included**

Product	Description
VK162-12	2 rows of 20 characters, Keypad Interface
VK162-12-V	Wide Voltage
VK162-12-E	Extended temperature
VK162-12-V-E	Extended temperature, Wide Voltage



### VK202-25 Vacuum Fluorescent Display

**Alphanumeric Serial VFD with 25-key keypad interface, 20 characters x 2 lines.**

- Matrix Format 5 x 7 with underline
- Character Size 2.4 x 4.7 mm (XxY), not including underline
- Display Area: 89.75 x 11.5 mm (XxY)
- Color of Illumination: Blue/Green
- Supply Voltage 5 VDC (optional 8 - 15VDC)
- Supply Current (All dots on) 209 mA typical

**Keypad not included**

Product	Description
VK202-25	2 rows of 20 characters, Keypad Interface
VK202-25-V	Wide Voltage
VK202-25-E	Extended temperature
VK202-25-V-E	Extended temperature, Wide Voltage



### VK204-25 Vacuum Fluorescent Display

**Alphanumeric Serial VFD with 25-key keypad interface, 20 characters x 4 lines.**

- Matrix Format: 5 x 7 with underline
- Character Size: 2.4 x 4.7 mm (XxY), not including underline
- Display Area: 70.8 x 20.9 mm (XxY)
- Color of Illumination: Blue / Green
- Supply Voltage 5 VDC (optional 8 - 15VDC) 275 mA typical

**Keypad not included**

Product	Description
VK204-25	4 rows of 20 characters, Keypad Interface
VK204-25-V	Wide Voltage
VK204-25-VPT	Wide voltage, Efficient power supply
VK204-25-E	VK204-25, extended temperature
VK204-25-V-E	Extended temperature, Wide Voltage
VK204-25-VPT-E	Extended temperature, Efficient supply



### VK202-24-USB

**20x2 Characters alphanumeric VFD Display.**

- Display size: 70.8mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 195 mA typical
- Communicate over USB
- 6 by 4 matrix style keypad interface (**Keypad not included**)



### VK204-24-USB

**20x4 Characters alphanumeric VFD Display.**

- Display size: 70.8mm(L) x 20.9mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 356mA typical
- Communicate over USB
- 6 by 4 matrix style keypad interface (**Keypad not included**)



## Character VFD's



**VK202-25-USB**  
20x2 Characters  
Alphanumeric VFD Display.

- Display size: 89.75mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 195 mA typical
- Communicate over USB
- 25 key keypad interface (**Keypad not included**)



**VK204-25-USB**  
20x4 Characters  
Alphanumeric VFD Display.

- Display size: 70.8mm(L) x 20.9mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 356mA typical
- Communicate over USB
- 25 key keypad interface (**Keypad not included**)



**MOI-AV162A**  
I2C interface 16x2 Characters  
Alphanumeric VFD Display.

- Display size: 70.8mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 252 mA typical



**MOI-AV202C**  
I2C interface 20x2 Characters  
Alphanumeric VFD Display.

- Display size: 89.75mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 252 mA typical



**MOS-AV162A**  
RS232 interface 16x2 Characters  
Alphanumeric VFD Display.

- Display size: 70.8mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 252 mA typical



**MOS-AV202C**  
RS232 interface 20x2 Characters  
Alphanumeric VFD Display.

- Display size: 89.75mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 252 mA typical



**MOU-AV162C**  
USB interface 16x2 Characters  
Alphanumeric VFD Display.

- Display size: 70.8mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 252 mA typical



**MOU-AV202C**  
USB interface 20x2 Characters  
Alphanumeric VFD Display.

- Display size: 89.75mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 252 mA typical



**MOP-AV162A**  
16x2 Characters  
Alphanumeric parallel VFD Display.

- Display size: 70.8mm(L) x 11.5mm(W)
- Character size: 2.4 x 4.7mm
- Controller: HD44780
- Character Set: English / Japanese
- Supply Voltage: +4.75 to +5.25VDC



**MOP-AV204A**  
20x4 Characters  
Alphanumeric parallel VFD Display.

- Display size: 70.8mm(L) x 20.9mm(W)
- Character size: 2.4 x 4.7mm
- Controller: HD44780
- Character Set: English / Japanese
- Blue - Green illumination
- Supply Voltage: +4.75 to +5.25VDC
- Supply Current: 356mA typical



**MOP-AV202C**  
20x2 Characters  
Alphanumeric parallel VFD Display.

- Display size: 70.8mm(L) x 11.5mm(W)
- Character size: 2.4 x 5.4mm
- Controller: HD44780
- Character Set: English / Japanese
- Supply Voltage: +4.75 to +5.25VDC