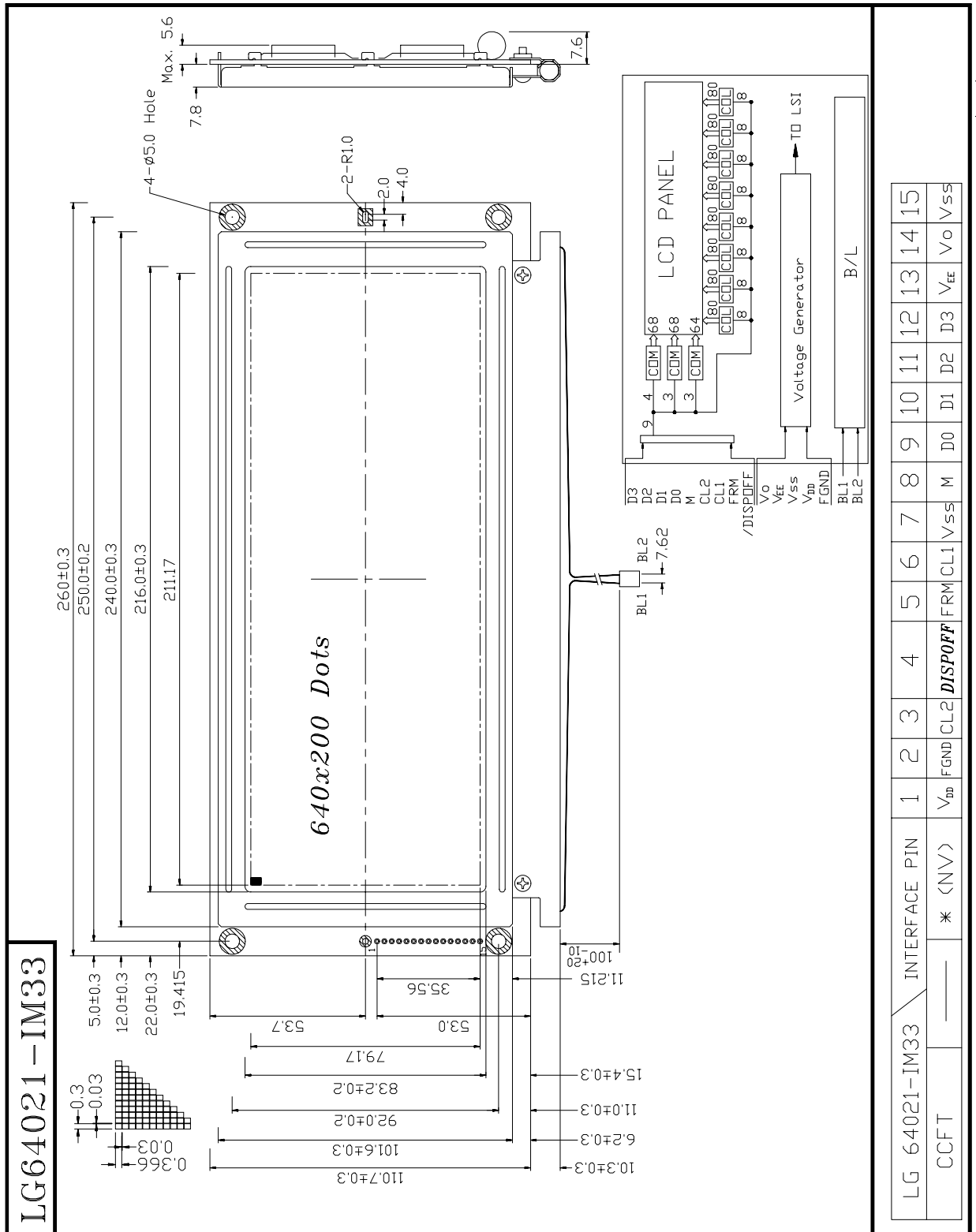


1. LCM Drawing



2. Electrical spec

LG64021-IM33

6 4 0 X 2 0 0 Dots 1 / 2 0 0 D U T Y

ELECTRICAL CHARACTERISTICS

T_a= 25°C V_{DD}=5.0+-0.25 v

Input "High" Voltage (V_{IH}) 2.2 V min

Input "Low " Voltage (V_{IL}) 0.8 V max

APPLICABLE FOR -LOP

FSTN

TEMPERATURE

NORMAL WIDE

Supply Current, (I_{DD})Typ.,mA 27 N/A

Supply Current, (I_{EE})Typ.,mA 2.5 N/A

Supply Voltage, (V_{EE})Typ., V -20 N/A

Recommend LCD drive Voltage:

(V_{DD}-V_O)at T_a = -20°C,Volts N/A N/A

T_a = 0°C 22.8 N/A

T_a = 25°C 21.7 N/A

T_a = 50°C 20.8 N/A

T_a = 70°C N/A N/A

ABSOLUTE MAXIMUM RATINGS

NORMAL

WIDE

TEMPERATURE

TEMPERATURE

MIN

MAX

MIN

MAX

Input Voltage (V_I) V 0 V_{DD} 0 V_{DD}

Supply for Logic (V_{DD}-V_{SS}) V 0 7 0 7

Supply for LCD (V_{DD}-V_O) V 0 25 0 25

Operating Temperature T_{OP}, °C 0 +50 -20 +70

Storage Temperature T_{ST}, °C -20 +70 -30 +80

OPTION

BACKLIGHT

INPUT VOLTAGE & CURRENT

-BFEXX -- CCFT

235 V_{RMS} (1200) Hz; 5mA

----- **Single +5V Operation** -----

SINGLE +5V OPERATION only

TEMPERATURE COMPENSATION

-VNV

-- V_{EE} self-generate --

-- not available --