

Fig. 4 Block diagram

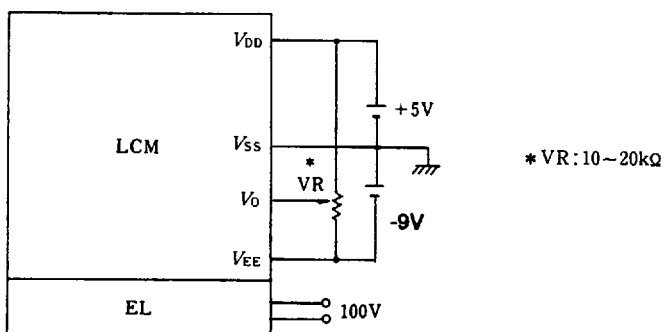


Fig. 5 Power supply

TIMING CHARACTERISTICS

Item	Symbol	Min.	Typ.	Max.	Unit
Clock frequency	f_{CL2}	-	-	540	kHz (Note 1)
Clock pulse width (High level)	t_{CWH}	120	-	-	ns
Clock pulse width (Low level)	t_{CWL}	120	-	-	ns
Clock set up time	t_{CSU}	100	-	-	ns
Data set up time	t_{SU}	100	-	-	ns
FLM set up time	t_{FSU}	300	-	-	ns
FLM hold time	t_{FH}	100	-	-	ns
Data hold time	t_{DH}	100	-	-	ns

Notes 1. Optimum frequency for the highest contrast depends on the type of module.

2. In adjusting FLM frequency, avoid setting it around the commercial frequency (50 Hz \pm 2 Hz or 60 Hz \pm 2 Hz) to prevent LCD flicker.

CHARACTERISTICS OF EL (Electroluminescence) BACKLIGHT

■ Type : NEL-5LL 125/C (Kansai NEC Co., Ltd.) ■ Color : White

ABSOLUTE MAXIMUM RATINGS

Driving voltage AC 150 Vrms max. Frequency (AC 100 Vrms) 1.0 kHz max.

ELECTRICAL CHARACTERISTICS

Item	Condition (Note 1)	Ratings			Unit
		min.	typ.	max.	
Brightness	AC 100 Vrms 400 Hz	4	13	—	cd/m ²
Driving current	AC 100 Vrms 400 Hz	—	-	80	mA

Note 1. 70% RH at 20°C in a dark room.

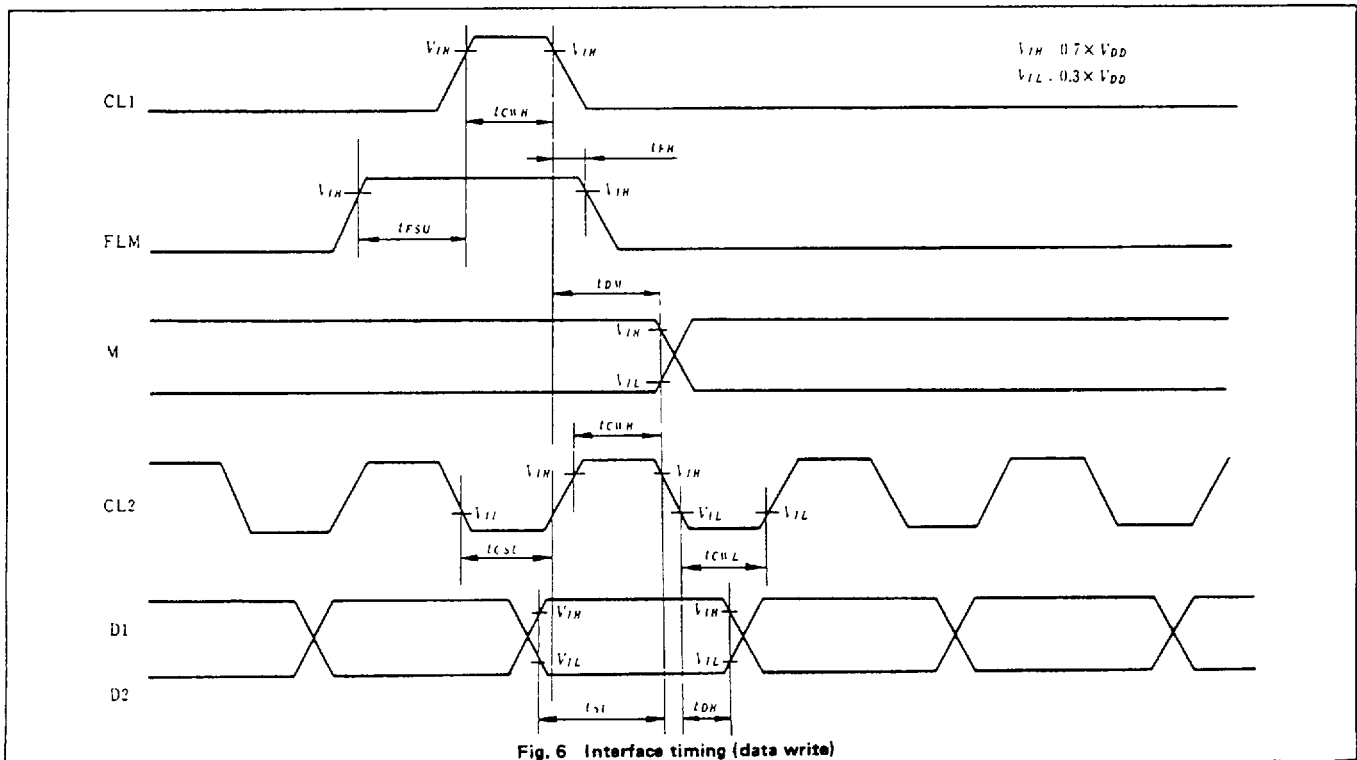


Fig. 6 Interface timing (data write)

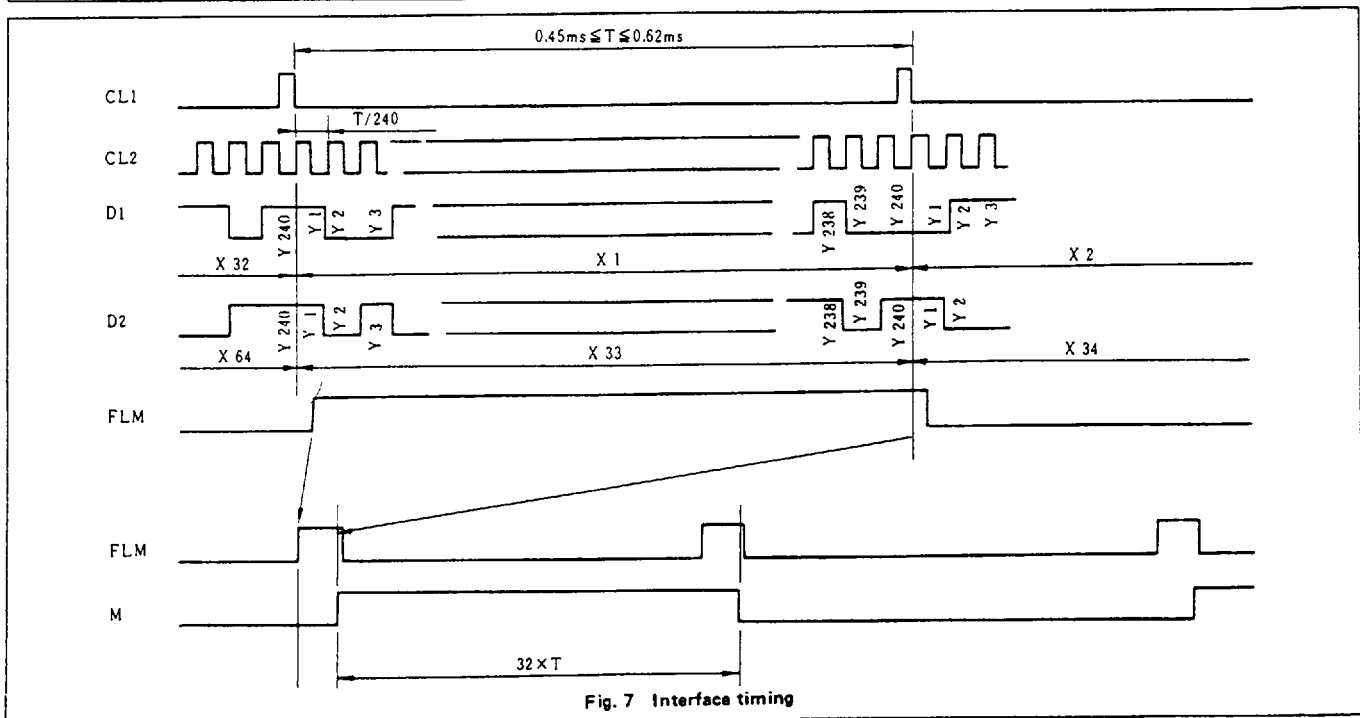


Fig. 7 Interface timing