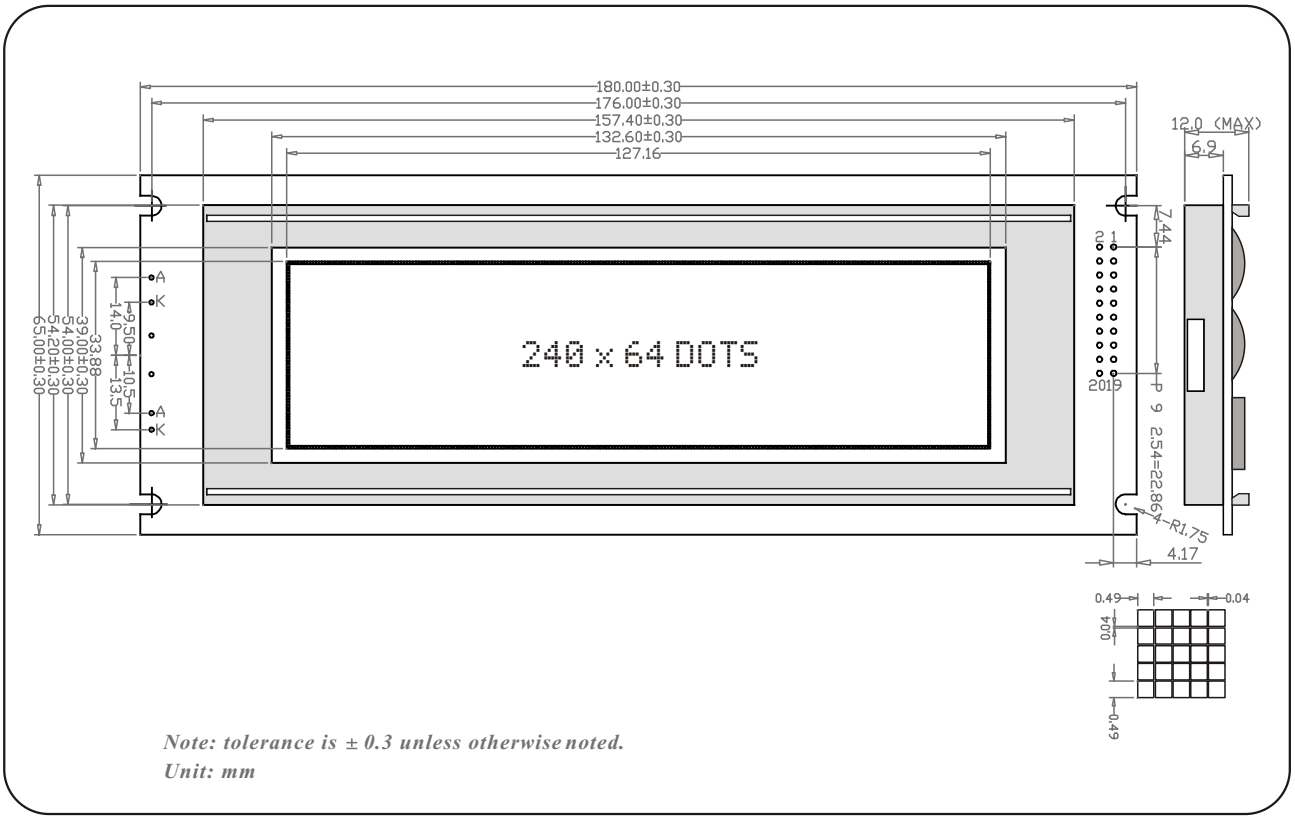
■ CHARACTERISTICS:

DISPLAY CONTENT：240 × 64 DOTS
LCD TYPE: STN Y/G、STN BLUE、FSTN
LED BACKLIGHT: Y/G、GREEN、WHITE
CONTROLLER: T6963C OR EQUAL
OPERATING TEMPERATURE: NORMAL(0–50℃); WIDE(–20–70℃)
POWER SUPPLY: 5.0V
VIEWING ANGLE: 6H; 12H

■ DIMENSIONS/DISPLAY CONTENT



Note: tolerance is ± 0.3 unless otherwise noted.
Unit: mm

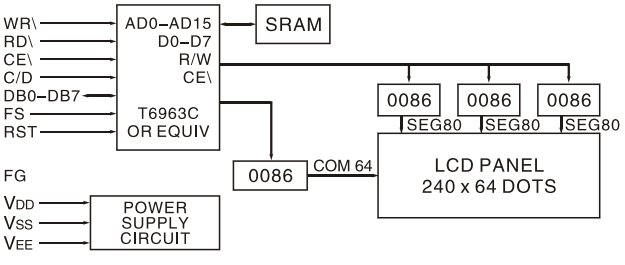
■ PIN CONFIGURATION

1	2	3	4	5	6	7	8	9	10
Vss	Vss	VDD	V0	R/W	RD	CE	C/D	NC	RST
11	12	13	14	15	16	17	18	19	20
DB0	DB1	DB2	DB3	DB4	DB5	DB6	DB7	FS	VEE

■ LIMIT PARAMETER (Ta=25℃)

Parameter	*Symbol*	*Standard Values*		*Unit*
		Min.	*Max*	
Supply Voltage	VDD-VSS	0	7.0	V
LCD Voltage	VDD-V0	0	30	
Input Voltage	V1	0	VDD	

■ ELECTRONIC PARAMETER

Parameter		*Symbol*	*Standard Values*			*Unit*
			Min.	*Typ.*	*Max*	
Voltage	Logic	VDD-VSS	4.75	5.0	5.25	V
	LCD	VDD-V0	4.5	12	30	V
Current	Logic	IDD	-	2.5	-	mA
	LCD	IEE	-	2.0	-	mA
LCD Drive Voltage(25℃)			-	12	-	V
Input Voltage	H	VIH	0.7VDD	-	VDD	V
	L	VIL	0	-	0.3VDD	V

■ APPLICATION CIRCUIT