

KLM - 096MA - 16A

This module designed for light emitting display device. Organize with 16 x 16 matrix combination with 256 of each Red, Green LED Chips, for indoor use.

FEATURES

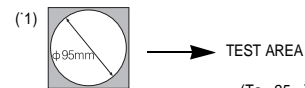
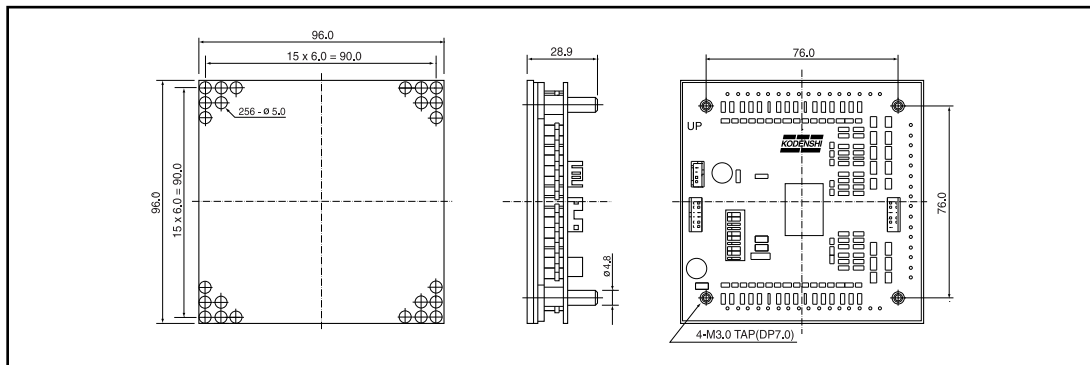
- Active display size : 96mm x 96mm
- Dot size : ϕ 5
- Dot pitch : 6mm
- Display color : RED, GREEN, AMBER(Mixed color)
- Duty rate : 1/16
- Dot matrix : 256(16 x 16)
- Weight : 160g(Typ.)
- With a simple serial - inter face.

MAXIMUM RATINGS

ITEM	SYMBOL	RATINGS	UNIT	COND.
Power dissipation	P_D	18	W	Temp. 25
Supply voltage(DRIVE)	V_{DD}	6	V	
Supply voltage(LED)	V_{LED}	6	V	
Logic input power	V_{in}	- 0.5 ~ V_{DD}	V	
Junction Temp.	T_J	115		
Operating Temp.	T_a	- 20 ~ +60		
Storage Temp.	T_s	- 20 ~ +85		

DIMENSIONS

(Unit : mm)



OPTICAL CHARACTERISTICS

($T_a=25$)

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT.
Bright - ness(16x 16)	GREEN	$V_{DD}=5V$	-	100	-	$cd/m^2 \cdot s$
	RED		-	70	-	
	AMBER		-	140	-	
Dot - Balance	GREEN	$V_{LED}=5V$	-	-	2	-
	RED		-	-	2	
	AMBER		-	-	2	
Emission Wavelength	GREEN		-	569	-	nm
	RED		-	630	-	
	AMBER		-	-	-	
Spectrum half - band	GREEN		-	25	-	nm
	RED		-	40	-	

