



Ledtech Corporation (UK)

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SPECIFICATION

LKJ7031-12 / LKJ7031-22

0.68" 5X7 Single Colour Dot Matrix Display Yellow



GLOBAL BRILLIANCE

Description

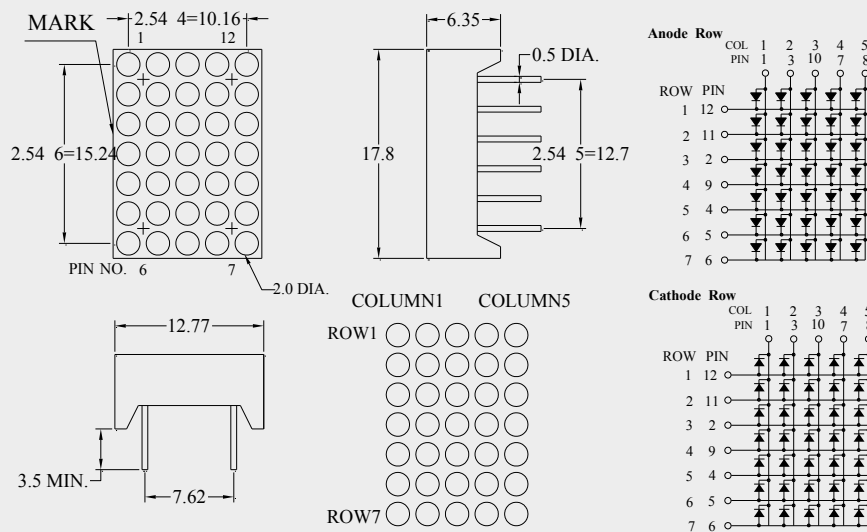
0.68" 5X7 Single Colour Dot Matrix
Display Yellow

Part No

LKJ7031-12 (Common Anode)

LKJ7031-22 (Common Cathode)

Dimensions



Description

Part No.	LED Chip		FACE COLOUR	
	Material	Emitting Colour	Surface	Pixel
LKJ7031-12 / LKJ7031-22	GaAsP/GaP	Yellow	Grey	White

Notes

1. All dimensions are in mm.
2. Tolerance is ± 0.25 mm unless otherwise noted.
3. Pin slope angle tolerance $\pm 5.0^\circ$.



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Part No

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Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation Per Pixel	Pd	78	mW
Reverse Voltage Per Chip	Vr	5	V
D.C. Forward Current Per Chip	If	30	mA
Peak Current Per Pixel (1/10 Duty Cycle, 0.1ms Pulse Width)	If (Peak)	100	mA
Operating Temperature Range	Topr.	-25 to +85	°C
Storage Temperature Range	Tstg.	-40 to +100	°C
Soldering Temperature (1.6mm from body)	Tsol.	Dip Soldering : 260°C for 5 sec. Hand Soldering : 350°C for 3 sec.	

Typical Electrical and Optical Characteristics:

Parameter	Symbol	Condition	Value	Unit
Luminous Intensity Per Pixel	Iv	If=10mA /pixel	1.15	mcd
Forward Voltage Per Pixel	Vf	If=20mA /pixel	2.1	V
Peak Wavelength	λ_p	If=20mA /pixel	585	nm
Dominant Wavelength	λ_p		590	
Reverse (Leakage) Current Per Pixel	Ir	Vr=5V	100	μ A
Response Time	T	-	250	ns