



Ledtech Corporation (UK)

Candela House
Cardrew Ind. Est.
Redruth, Cornwall
TR15 1SS

T 01209 203198

F 01209 215197

sales@ledtech-uk.com

ledtech-uk.com

SPECIFICATION

LKJ7071-12-M1 / LKJ7071-22-M1

0.68" 5X7 Single Colour Dot Matrix Display SH Red



GLOBAL BRILLIANCE

Description

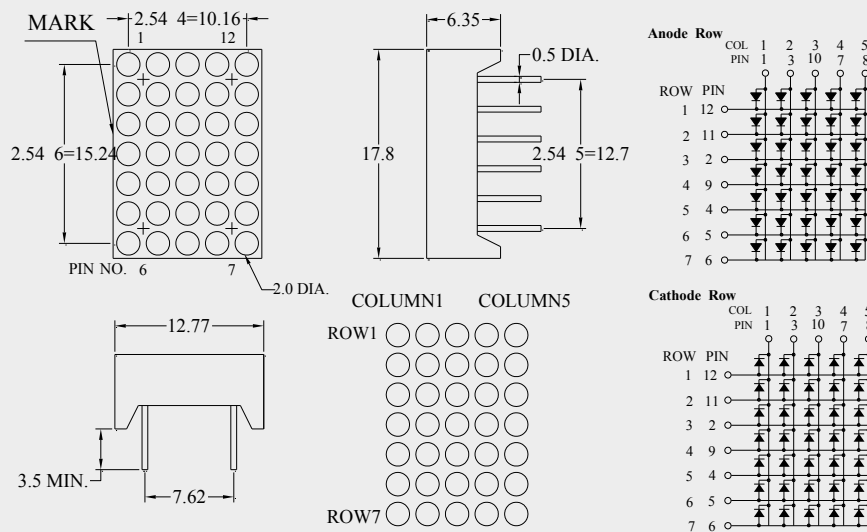
0.68" 5X7 Single Colour Dot Matrix
Display SH Red

Part No

LKJ7071-12-M1 (Common Anode)

LKJ7071-22-M1 (Common Cathode)

Dimensions



Description

Part No.	LED Chip		FACE COLOUR	
	Material	Emitting Colour	Surface	Pixel
LKJ7071-12-M1 / LKJ7071-22-M1	AlGaAs/GaAs	SH Red	Grey	White

Notes

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



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Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation Per Pixel	Pd	66	mW
Reverse Voltage Per Chip	Vr	4	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	2.55	mcd
Forward Voltage Per Pixel	Vf	If=20mA /pixel	1.8	V
Peak Wavelength	λ_p	If=20mA /pixel	660	nm
Dominant Wavelength	λ_p		643	
Reverse (Leakage) Current Per Pixel	Ir	Vr=5V	100	μ A
Response Time	T	-	250	ns