



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

LK8A12-43-T4

0805 SMD Chip LED Chip LED (PCB Type) Red



GLOBAL BRILLIANCE

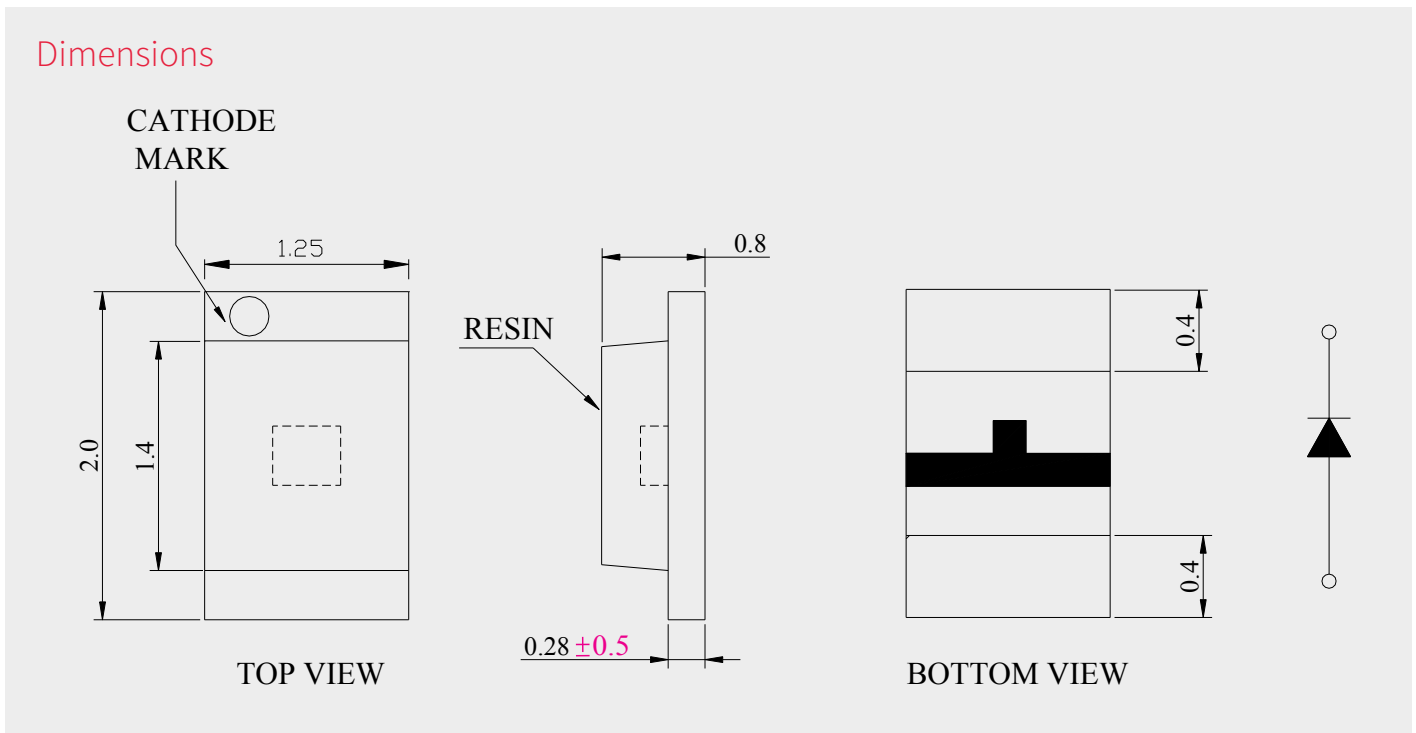
Description

0805 SMD Chip LED Chip LED (PCB Type) Red

Part No

LK8A12-43-T4

Dimensions



Description

Part No.	LED Chip		LENS
	Material	Emitting Colour	Type
LK8A12-43-T4	GaP/GaP	Red	White Diffused

Notes

1. All dimensions are in mm.
2. Tolerance is ± 0.25 mm unless otherwise noted.



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

Description

0805 SMD Chip LED (PCB Type) Red

Part No

LK8A12-43-T4

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	78	mW
Reverse Voltage	Vr	5	V
D.C. Forward Current	If	30	mA
Peak Current (1/10 Duty Cycle, 0.1ms Pulse Width)	If (Peak)	80	mA
Operating Temperature Range	Topr.	-30 to +80	°C
Storage Temperature Range	Tstg.	-40 to +85	°C
Soldering Temperature (1.6mm from body)	Tsol.	Reflow Soldering: 260°C for 10 sec Hand Soldering : N/A	

Typical Electrical and Optical Characteristics:

Parameter	Symbol	Condition	Value	Unit
Luminous Intensity	Iv	If=20mA	2	mcd
Forward Voltage	Vf	If=20mA	2.1	V
Peak Wavelength	λ_p	If=20mA	700	nm
Dominant Wavelength	λ_p		650	
Reverse (Leakage) Current	Ir	Vr=5V	100	μ A
Viewing Angle	2 $\theta_{1/2}$	If=20mA	140	deg