

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	θ1/2
KA-3528QWC-D	WHITE (GaN)	WATER CLEAR	110	300	120°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
V _F	Forward Voltage	White	3.5	4.0	V	IF=20mA
I _R	Reverse Current	White		10	μA	VR = 5V
X	Chromaticity Coordinates	White	0.33			
Y			0.34			
C	Capacitance	White	100		pF	VF=0V; f =1MHz

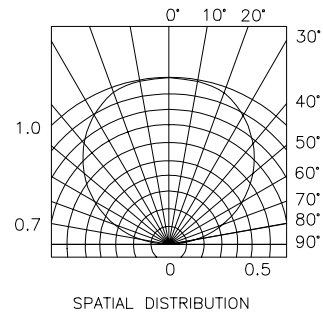
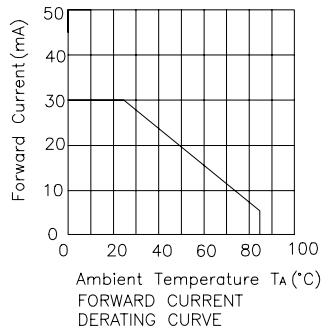
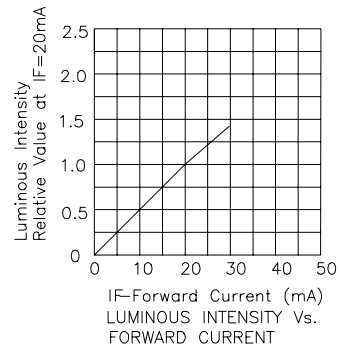
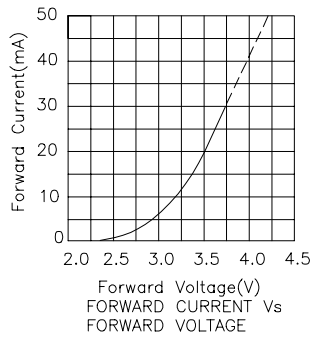
Absolute Maximum Ratings at T_A=25°C

Parameter	White	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	160	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40 °C To + 85 °C	

Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

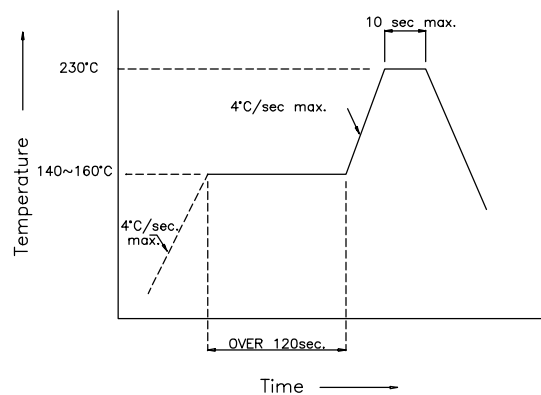
White KA-3528QWC-D



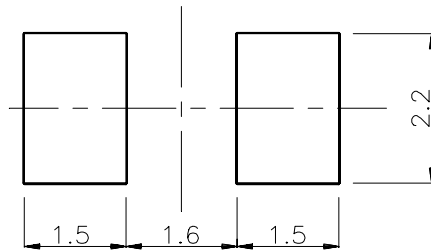
KA-3528QWC-D

SMT Reflow Soldering Instructions

Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.



Recommended Soldering Pattern (Units : mm)



Tape Specifications (Units : mm)

