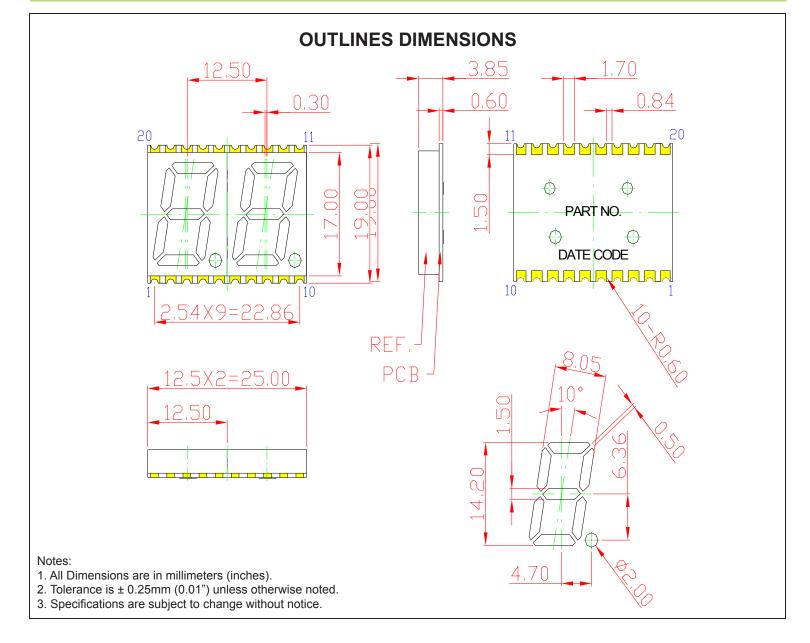


SPECIFICATIONS

SDDA56R3W-1

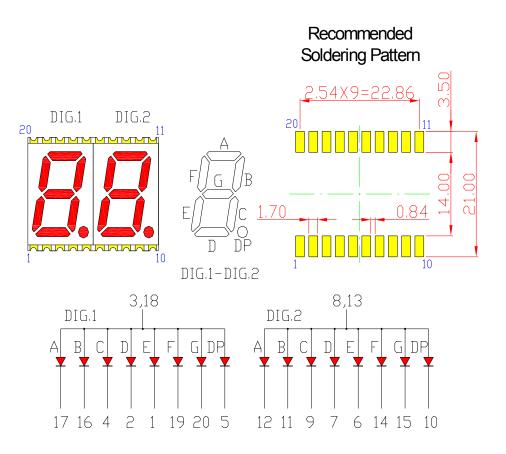


Part Number	Chip Material	Color of Emission	Lens Type	Description
SDDA56R3W-1	InGaAIP	Red	White Segment	Common Anode





TYPICAL INTERNAL EQUIVALENT CIRCUIT





ChromeLED Corp. reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.chromeled.com

2



ABSOLUTE MAXIMUM RATINGS

(TA=25°C)

Parameter	Symbol	Max Rating	Unit			
Power Dissipation	PD	75	mW			
Pulse Forward Current	IFP	100	mA			
Continuous Forward Current	lF	30	mA			
Reverse Voltage Segment	VR	5	V			
Operating Temperature Range	Topr	-40~+105	°C			
Storage Temperature Range	Tstg	-40~+105	°C			
IFP = Pulse Width \leq 10 ms, Duty Ratio \leq 1/10. Soldering Condition: 260 °C/ 5sec						

OPTICAL-ELECTRICAL CHARACTERISTICS

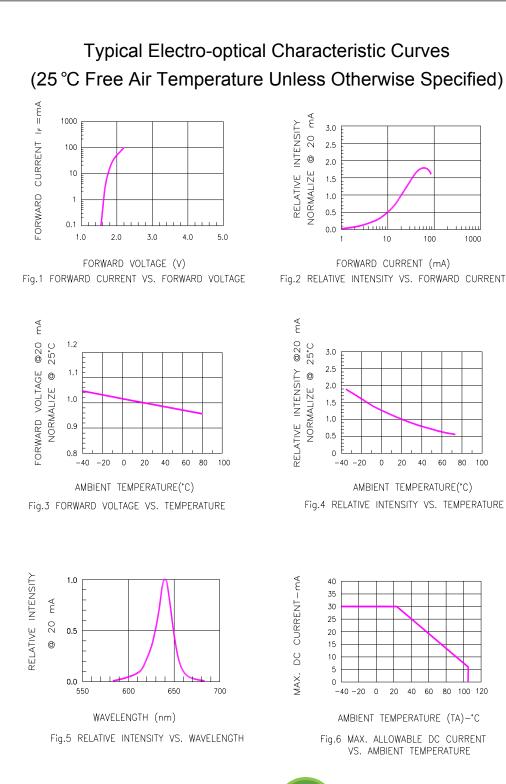
(TA=25°C)

Deremeter	Symbol	Test Condition	Value			Linit
Parameter			Min	Тур	Max	Unit
Luminous Intensity	lv	l⊧ = 20mA	-	14	-	mcd
Forward Voltage	VF	l⊧ = 20mA	-	2.0	2.6	V
Reverse Leakage Current	lr	V _R = 5V	-	-	10	μA
Dominant Wavelength	λd	l⊧ = 20mA	-	640	-	nm
Spectral Line half-width	Δλ	I⊧ = 20mA	-	20	-	nm





OPTICAL CHARACTERISTIC CURVES



RoHS Compliant

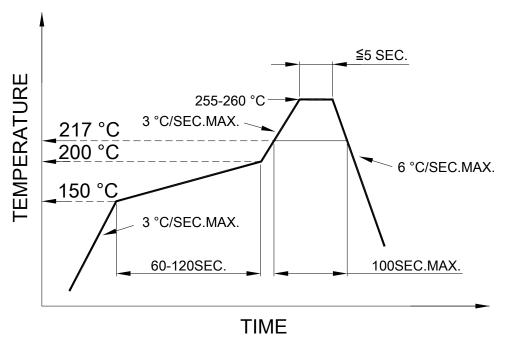


SOLDERING CONDITIONS – DISPLAY TYPE LED

RECOMMEND SOLDERING PROFILE

SMT Soldering Profile

Pb free reflow soldering Profile



SOLDERING IRON

Basic specification : \leq 4 seconds when 260°C, If temperature is higher, time should be shorter (+10°C→1 sec). Power dissipation of iron should be smaller than 15W, and temperature should be controllable. Surface temperature of the device should be under 230°C.

REWORK

Customer must finish rework within 3 sec. under 350°C.

The head of soldering iron cannot touch copper foil.

