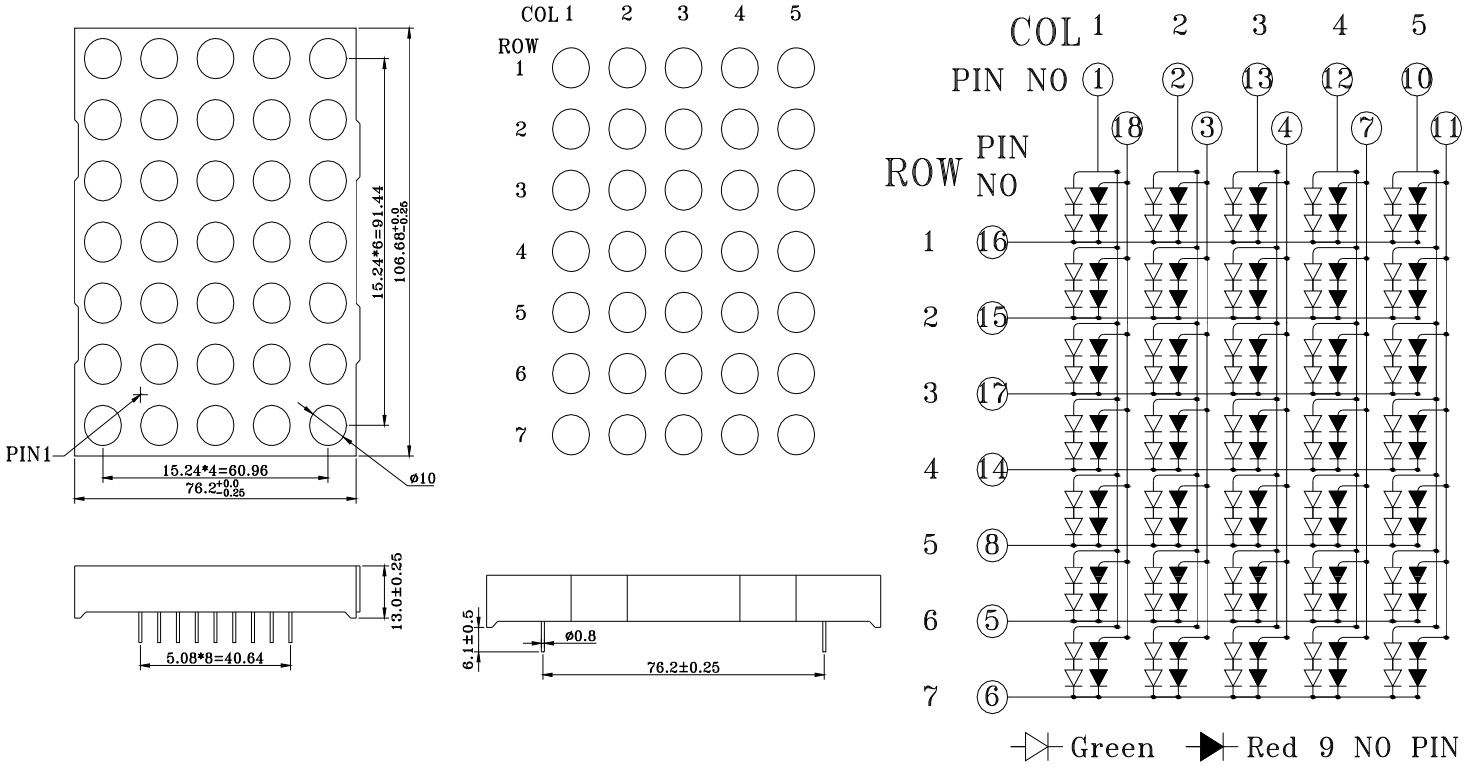



SPECIFICATION **CDMBA5740R1G1W**

PACKAGE OUTLINES



- Notes:
1. All dimensions are in millimeters (inches).
 2. Tolerance is ± 0.25mm (0.01") unless otherwise noted.
 3. Specifications are subject to change without notice.

Part Number	Chip Material	Color of Emission	Lens Type	Description
CDMBA5740R1G1W	GaP	Red	White Segment	Common Anode
	GaP	Green	White Segment	



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ABSOLUTE MAXIMUM RATINGS
(TA=25°C)

Parameter	Symbol	Max Rating	Unit
Forward Current	I _F	30	mA
Reverse Current @ 5V	I _R	5	μA
Power Dissipation	P _d	80	mW
Operating Temperature Range	T _{OP}	-35~+85	°C
Storage Temperature Range	T _{STG}	-35~+85	°C
Peak Pulsing Current (1/10 duty f = 10KHz)	I _{FP}	120	mA
Soldering Temperature	T _{SOL}	Max 260°C for 5 sec Max	

OPTICAL-ELECTRICAL CHARACTERISTICS
(TA=25°C)

Parameter	Symbol	Test Condition	Color	Value			Unit
				Min	Typ	Max	
Luminous Intensity	I _v	I _F = 10mA	R	4700	7000	-	μcd
			G	4700	7000		
Forward Voltage	V _F	I _F = 10mA	R	-	1.85	2.2	V
			G	-	2.1	2.5	
Viewing Angle at 50% I _v	2θ _{1/2}	I _F = 10mA	-	-	-	-	Deg
Peak Wavelength	λ _P	I _F = 10mA	R	-	635	-	nm
			G		570		
Dominant Wavelength	λ _D	I _F = 10mA	R	-	630	-	nm
			G		568		

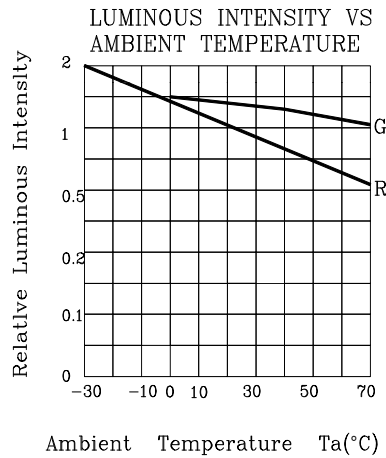
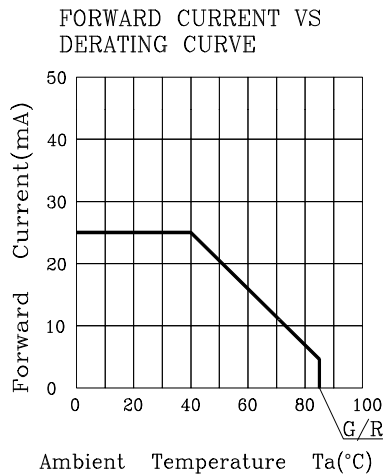
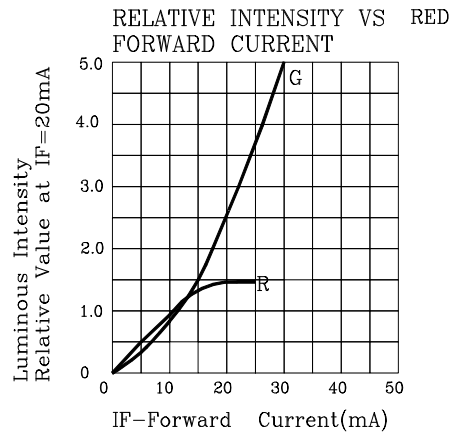
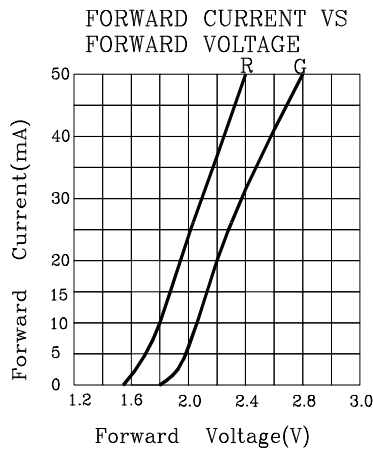
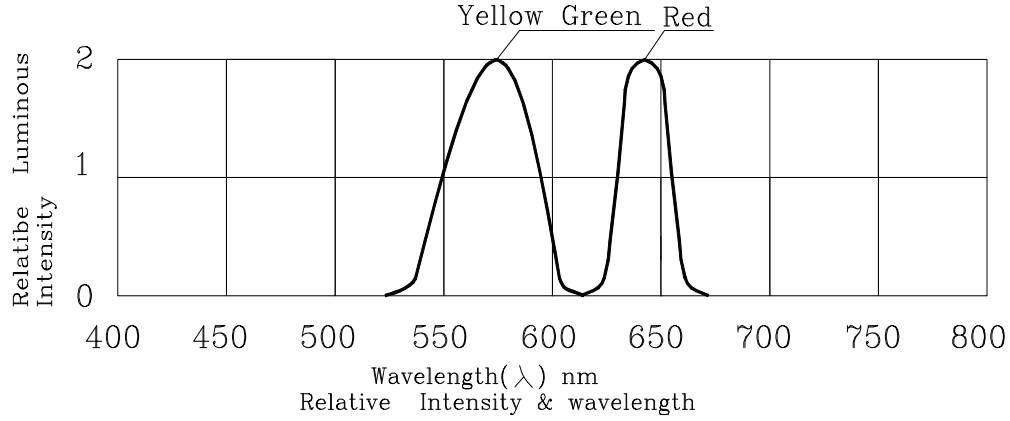
*Tolerance of viewing angle: -10 / +5 deg.



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OPTICAL CHARACTERISTIC CURVES

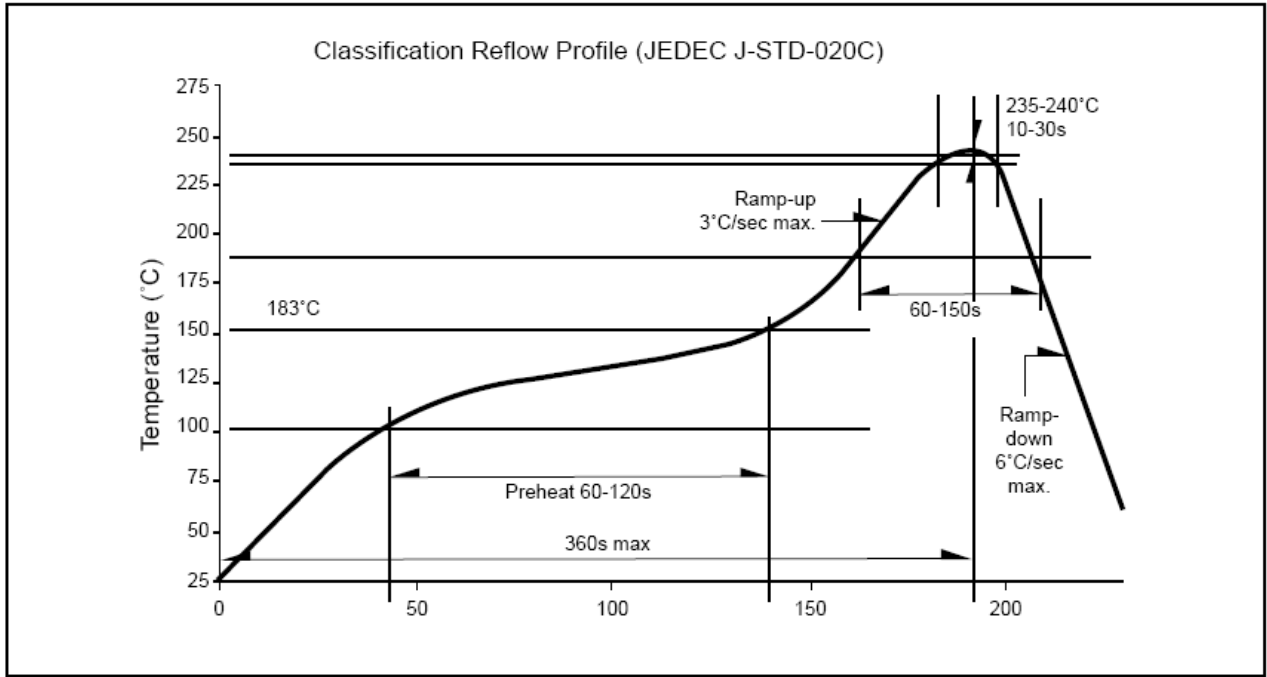
Electrical/Optical Characteristic (2)



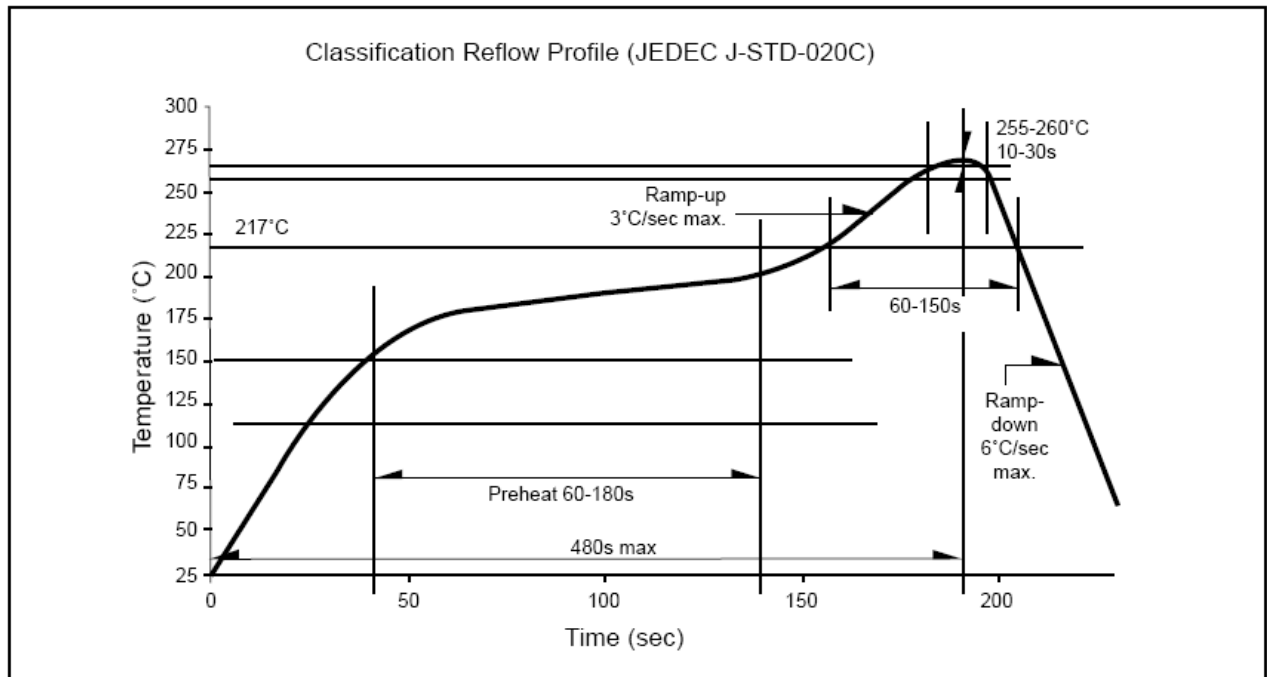
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SOLDERING CONDITIONS

RECOMMENDED Sn-PB IR-Reflow Soldering Profile



RECOMMENDED Pb-Free Soldering Profile



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