

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Dialight](#)
[5912201202F](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

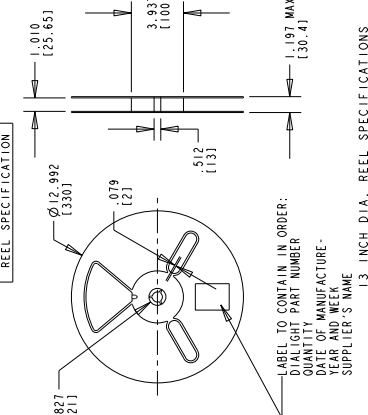
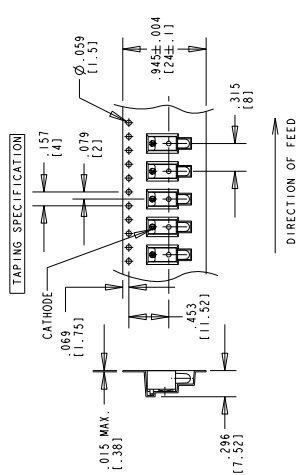
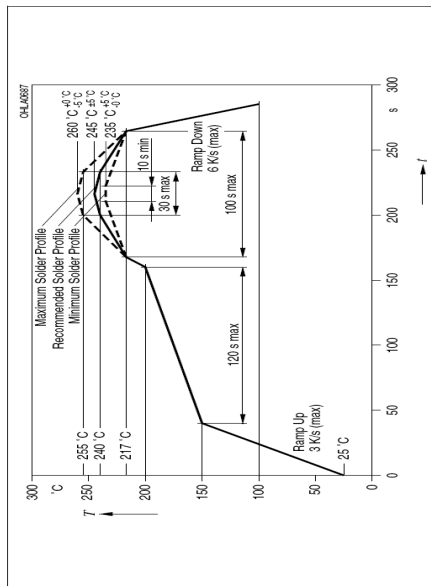
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	CE			

PART NUMBER	COLOR	PACKAGING
591-2201-202F	GREEN	20 PCS. STRIP
591-2201-213F	GREEN	13 PCS REEL

1. MILLIMETER DIMENSIONS SHOWN FOR REFERENCE ONLY.
2. PAD NUMBERS FOR REFERENCE ONLY-DESIGNATION NON-EXISTENT ON PART.
3. PRODUCE STOPS MORE THAN ONE MOUNTING RE-TAPING MAY BE NECESSARY FOR
4. ORDER QUANTITY IS LED ASSEMBLIES. NOT REELS.
5. LENS MOVEMENT IN RELATIONSHIP TO THE HOUSING IS:
 .009" T.T.R. HORIZONTALLY.
 .007" T.T.R. VERTICALLY.
6. FRONT AND REAR TERMINALS OF ASSEMBLY TO BE WITHIN .005 COPLANARITY.
7. LED LEAD FRAME MATERIAL:
 CORE MATERIAL = COPPER (Cu)
 UNDERPLATING IN CuPd 8.0 $\pm$.5 μ metres.
 UNDERPLATING IN CuPd 10.0 $\pm$.5 μ metres.
8. PACKAGED ON 24mm DIA. LEAD TAPER 8mm TAPER ON 13" REEL.
 1200 PARTS PER REEL, TAPER 3 REELS AS PER EIA STD. SPEC EIA-481 REV.A.
9. DEVICE HAS A MOISTURE SENSITIVITY LEVEL OF 2
10. DIALIGHT PART NUMBERS = 591-2201-202F & 591-2201-213F
11. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE
 DEVICES (ESDS) MAINTAIN ALL PRECAUTIONARY MEASURES DURING
 ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT		UNITS
POWER DISSIPATION	95	mW
DERATE LINEARLY FROM 60 °C CONTINUOUS FORWARD CURRENT	0.25	mW/°C
PEAK REVERSE VOLTAGE	30	V
SOLDERING PROFILE 260 °C PEAK $\varnothing$ 10 SEC	12	°C
OPERATING/STORAGE TEMPERATURE	-40 TO +100	°C
SURGE CURRENT $t \leq 10 \mu s$, D = .005	5	A

LED SPECIFICATIONS				
OPERATING CHARACTERISTICS AT 25 °C AMBIENT				
LED CHARACTERISTICS	MIN	TYP	MAX	UNITS / TEST CONDITIONS
LUMINOUS INTENSITY	9.1			mcd I _f = 10 mA
FORWARD VOLTAGE	2.0	2.5		V I _f = 10 mA
REVERSE VOLTAGE	12			V I _r = 10 µA
PEAK WAVELENGTH	572			nm I _f = 10 mA
VIEWING ANGLE (θ _{1/2})	120			deg. I _f = 10 mA
DOMINANT WAVELENGTH	564	570	576	nm I _f = 10 mA



RoHS Compliant 591-2X01-2XXF
Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 591-2201-202F
Packaging is marked with "RoHS Compliant" label or equivalent markings.
Parts can be reflow soldered per RoHS reflow profile.
Parts can be hand soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 10 sec.



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SCALE: 10:8000	DRAWING NUMBER	REV			
ALL DIM'S IN INCHES (MM)	C-17505	A			
VOLUMES FRACTIONS: 1/16"	TITLE				
DECIMALS: X .01	3 mm PLISM CBI				
BLOCKED: X .005	REFS COMPLANT				
UNITS: ALL DIMS	MATERIAL				
FINISH:					
FSM	Dialight ILLUMINATION SYSTEMS		1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07722		
SHEET	OF	FAMILY TABLES			
83330					

