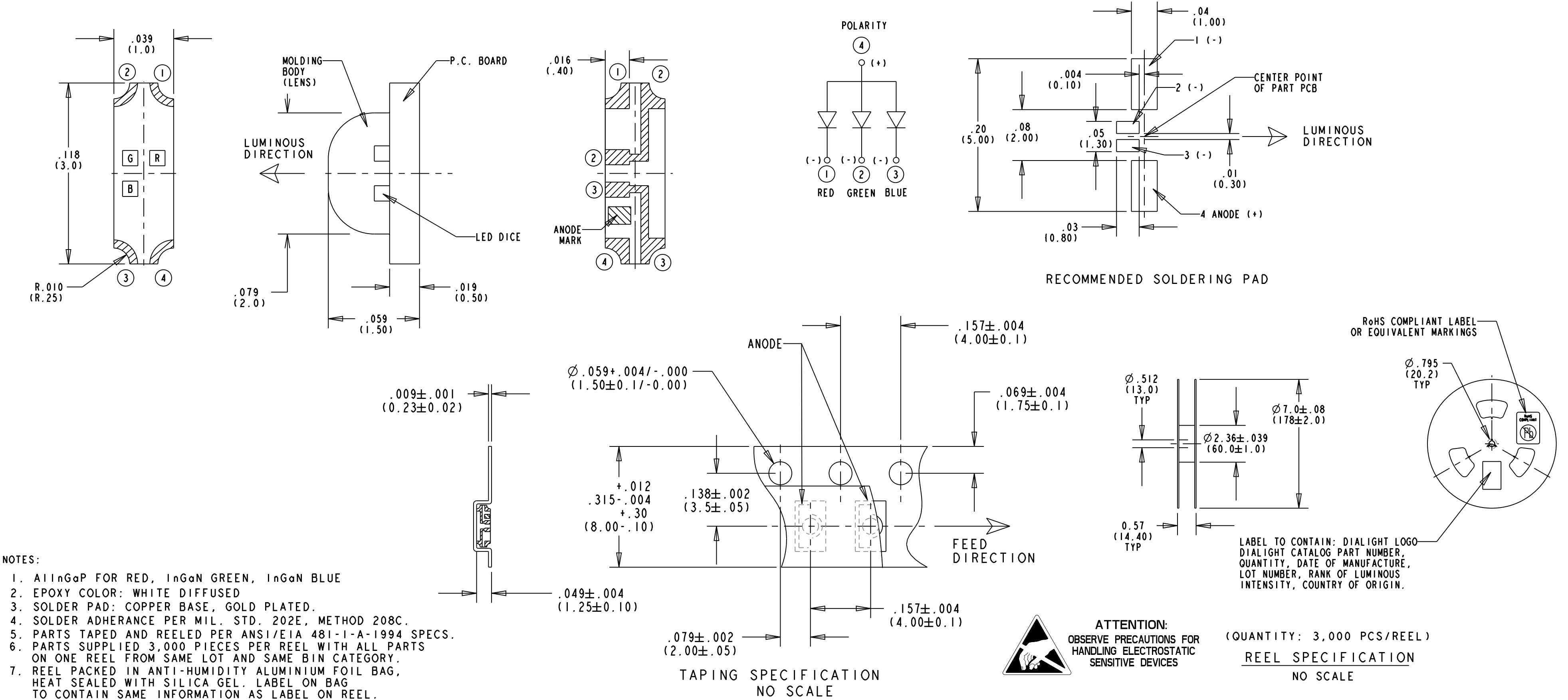


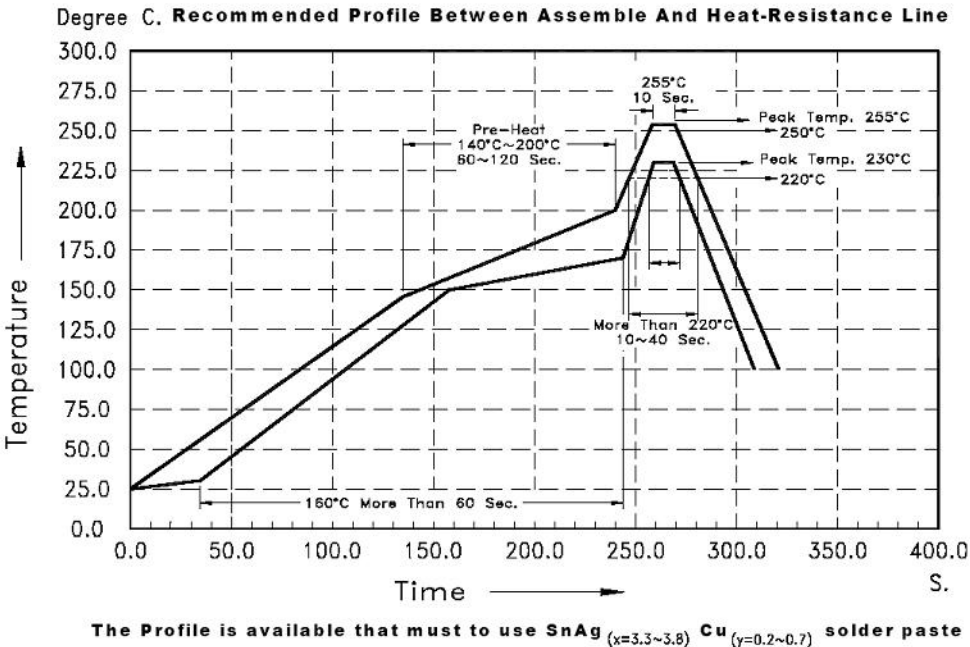
REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TWC			
B		MAX INTENSITY FOR GREEN WAS "280"; MAX INTENSITY FOR BLUE WAS "112"; DC FORWARD CURRENT FOR GREEN WAS "30"	AJF	KLJ	NO	3-8-11

DIALIGHT CATALOG P/N	COLOR	DOMINANT WAVELENGTH $I_f = 20\text{mA}$	PEAK EMISSION WAVELENGTH $I_f = 20\text{mA}$ λ_{PK} (nm)	SPECTRAL LINE HALF WIDTH $\Delta\lambda$ (nm) $I_f = 20\text{mA}$ TYP	LUMINOUS INTENSITY (mcd) @ $I_f = 20\text{mA}$; 25°C		FORWARD VOLTAGE (V) @ $I_f = 20\text{mA}$; 25°C		REVERSE CURRENT (μA); 25°C	VIEWING ANGLE (2° Ø 1/2 (DEG.))
					MIN.	MAX.	TYP.	MAX.	MAX.	TYP
597-2712-602F	AlInGaP RED	624	632	20	45.0	180.0	2.0	2.4	10 @ $V_R = 5\text{ V}$	130
597-2712-607F	InGaN GREEN	525	520	35	112.0	450.0	3.5	3.8	10 @ $V_R = 5\text{ V}$	130
	InGaN BLUE	470	468	26	28.0	180.0	3.5	3.8	10 @ $V_R = 5\text{ V}$	130



RoHS Compliant 597-2712-60XF Surface Mount LED

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 597-2712-607F
Packaging is marked with "RoHS Compliant" label or equivalent markings.
Parts can be reflow soldered per RoHS reflow profile, wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.



ABSOLUTE MAXIMUM RATINGS AT 25°C.				
POWER DISSIPATION	75	80	80	mW
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1ms PULSE WIDTH)	80	100	100	mA
DC FORWARD CURRENT	30	20	20	mA
DERATING LINEAR FROM 25°C	0.4	0.25	0.25	mA/°C
REVERSE VOLTAGE	5	5	5	V
OPERATING TEMPERATURE RANGE	-20 TO +80			°C
STORAGE TEMPERATURE	-30 TO +100			°C
INFRARED SOLDERING CONDITION	260°C FOR 5 SECONDS			

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SCALE: 20:1	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17214	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE R,G,B RIGHT ANGLE SURFACE MOUNT LED, RoHS COMPLIANT	
FRACTIONS: ±1/64	MATERIAL	
DECIMALS (.XX): ±.01	Dialight	
DECIMALS (.XXX): ±.005	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
DECIMALS (.XXXX): ±.0005	FSCM 83330	
ANGLES: ±1°	SHEET 1 OF 1 FAMILY TABLES:	