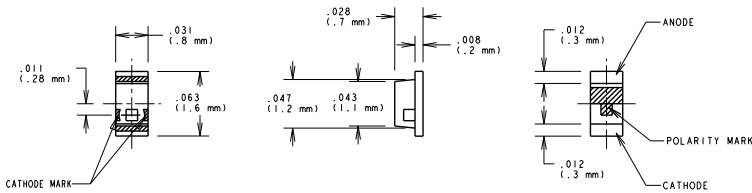
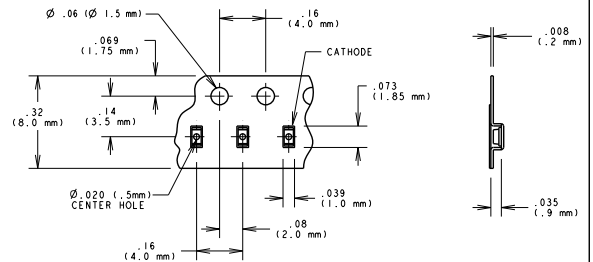


DIALIGHT PART NO.	LED COLOR	LED CHIP MATERIAL	EPOXY COLOR	OPERATING CHARACTERISTICS AT 25 °C AMBIENT								
				I _F (mA)	FORWARD VOLTAGE (V)		LUMINOUS INTENSITY (mcd)		REVERSE CURRENT (µA)		PEAK WAVELENGTH (nm)	VIEWING ANGLE (DEGREES)
					TYP	MAX	MIN	TYP	MAX	V _R		
597-5004-407F, -402F	RED	AlInGaP	WHITE DIFFUSED	20	1.9	2.4	16	50	100	5 V	630	152
597-5112-407F, -402F	RED	GaAsP		20	1.7	2.3	7.0	11.7	100	4 V	660	152
597-5203-407F, -402F	ORANGE	GaAsP		20	2.2	2.8	2.0	3.4	100	4 V	605	152
597-5213-407F, -402F	ORANGE	AlInGaP		20	1.9	2.4	16	65	100	5 V	609	152
597-5223-407F, -402F	YELLOW	AlInGaP		20	1.9	2.4	16	65	100	5 V	592	152
597-5312-407F, -402F	GREEN	GaP		20	2.1	2.8	3.8	6.4	100	4 V	560	152
597-5412-407F, -402F	YELLOW	GaP		20	2.1	2.8	7.0	11.7	100	4 V	570	152

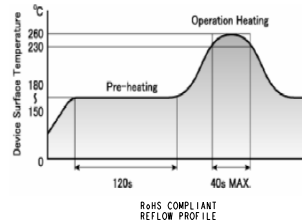
REV.	ECN NO.	REVISIONS	DRN	CKD	APP.	DATE
A		NEW RELEASE	TC			M.G. 7-16-98
B		ON P/N 597-5203-407 GaAsP WAS Gap.	TC			M.C. 7-23-98
C		ADDED COLORS TO MAX. RATING COLUMNS.	TC			D.C. M.C. 9-21-98
D		ADDED NOTE 5.	TC			D.C. N.O. 6-9-99
E		NOTE 1-GOLD PLATED, OVER NICKEL, COPPER SUBSTRATE ON FR-4 LAMINATE WAS TOLD PLATED; ADDED NOTES 6 & 7 RoHS REFLOW PROFILES & 402F P/Ns; ADDED "T" RoHS COMPLIANT SUFFIX TO -407 P/Ns; UPDATED FORMAT	TWC			



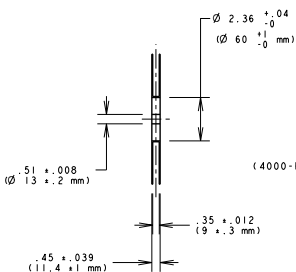
TAPE & REEL SPECIFICATION
NO SCALE



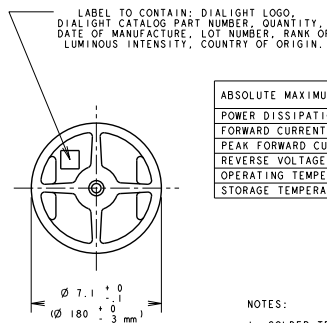
SOLDER PAD LAYOUT



RoHS COMPLIANT REFLOW PROFILE



REEL SPECIFICATION
NO SCALE



ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT	BRIGHT RED	BRIGHT ORANGE	BRIGHT YELLOW	RED	ORANGE	GREEN	YELLOW	UNITS
POWER DISSIPATION	81			57.5	70	70	70	mW
FORWARD CURRENT	30			25				mA
PEAK FORWARD CURRENT (≤ 1/20 DUTY CYCLE T _p ≤ 1 msec)	100			60				mA
REVERSE VOLTAGE	5			4				V
OPERATING TEMPERATURE	-40 TO +85			-30 TO +85				°C
STORAGE TEMPERATURE	-40 TO +100			-40 TO +100				°C

NOTES:

- SOLDER TERMINALS: GOLD (Au) PLATED, OVER NICKEL (Ni), COPPER (Cu) SUBSTRATE ON FR-4 LAMINATE
- SOLDER ADHERENCE: EACH PAD PER MIL-STD-202E, METHOD 208C
- TAPE AND REEL AS PER EIA STANDARD 481-1, WITH CATHODE TOWARD SPROCKET.
- PARTS PACKAGED ON 180 mm DIA REEL, 8 mm TAPE, 4000/REEL (SEE SKETCH).
- TAPE AND REEL LEDS MAY REQUIRE RE-TAPING AFTER TWELVE MONTHS.
- DIALIGHT PART NUMBER: 597-5XXX-407F AND 597-XXXX-402F
- THIS PRODUCT IS Pb FREE. IT IS IN COMPLIANCE WITH THE EUROPEAN UNION'S ROHS DIRECTIVE. EACH BAG AND REEL IS MARKED WITH THE ROHS COMPLIANT LABEL P/N 9100-117-0852-99 OR EQUIVALENT

THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT.	
SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-16413
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/4 DECIMALS: ±.010; ±.01 DECIMALS: ±.001; ±.005 ANGLES: ±1°	REV E
FINISH: FSCM 83330	TITLE SMT LED MATERIAL RoHS COMPLIANT
	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
	SHEET 1 OF 1 FAMILY TABLE