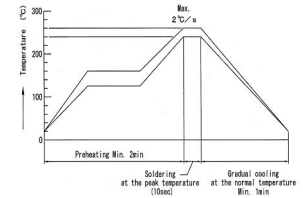


OPERATING CHARACTERISTICS AT 25 °C AMBIENT																		
DIALIGHT CATALOG P/N	COLOR	I _r (mA)	FORWARD VOLTAGE (V)		LUMINOUS INTENSITY (mcd)		REVERSE LEAKAGE CURRENT (μA)	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)			LIGHT EMISSION ANGLE (DEGREES)	LED CHIP	REVISIONS				
			TYP.	MAX.	MIN.	TYP.	MAX.		MAX.	MIN.	TYP.			MAX.	REV.	ECN.	DRN.	DATE
597-3001-102F 597-3001-107F	RED	20	2.0	2.6	1.6	4.0	6.4	10	630	613	620	625	170	GoAsP	A	---	TWC	5-17-06
597-3211-102F 597-3211-107F	AMBER	20	2.1	2.8	3.0	8.0	13.0	10	610	600	605	610	180	GoAsP	A	---	TWC	5-17-06
597-3301-102F 597-3301-107F	GREEN	20	2.0	2.6	6.0	12.0	22.0	10	565	562	565	572	170	GoP	A	---	TWC	5-17-06
597-3401-102F 597-3401-107F	YELLOW	20	2.1	2.8	3.0	8.0	10.0	10	585	580	585	588	160	GoAsP	A	---	TWC	5-17-06

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	---	NEW RELEASE	TWC	NO	TC	---
B	---	UPDATED MODEL TO SHOW SINGLE COLOR LED & PAD LAYOUT	AJF	KLJ	NO	3-9-11



NOTES:

1. TERMINAL FINISH: TIN (Sn 96.5%), SILVER (Ag 3.5%) PRE-SOLDER APPLIED PARTIALLY AROUND SILVER-PALLADIUM THICK FILM PRINTED AND FIRED ON CERAMIC BODY.
2. SOLDER ADHERANCE: EACH PAD PER MIL-STD-202E, METHOD 208C.
3. SUFFIX -102F FOR 20 PCS ON A SAMPLE TAPE STRIP.
4. SUFFIX 107F TAPE AND REEL AS PER EIA STANDARD 481-1, WITH CATHODE TOWARD SPROCKET.
5. 180 mm DIA. REEL, 8 mm TAPE, 3000/REEL. PACKAGING TO DISPLAY DIALIGHT LABEL WITH DATE CODE, QTY, & P/N. PARTS POSITIONED WITH 4 mm PITCH ON REELS.
6. DIALIGHT PART NUMBER: 597-3001-102F, -107F, 597-3211-102F, -107F, 597-3301-102F, -107F, 597-3401-102F, -107F.
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

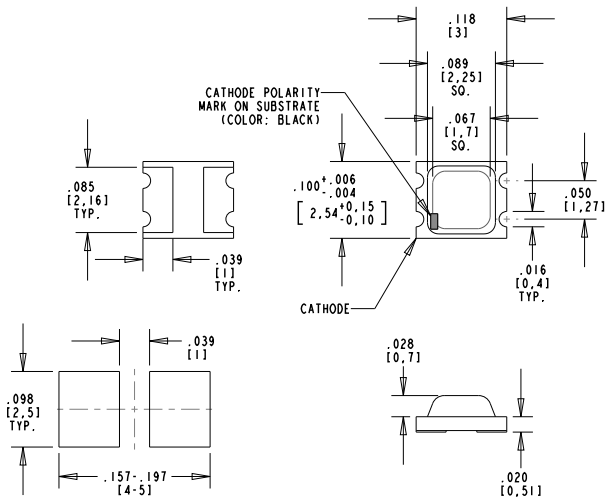
RoHS Compliant 597-3XX1-10XF

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 597-3211-107F

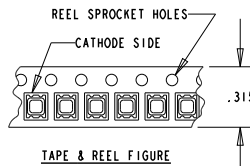
Packaging is marked with "RoHS Compliant" label or equivalent markings.

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 10 sec.

ATTENTION:
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES



ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT	597-XXXX-107				UNITS
	3001 RED	3211 AMBER	3301 GREEN	3401 YELLOW	
POWER DISSIPATION	65	80	65	70	mW
CONTINUOUS FORWARD CURRENT		25			mA
PEAK FORWARD CURRENT (10% DUTY CYCLE T _w = 1 msec)		100			mA
DERATE LINEAR FROM 25 °C		.33			mA/°C
REVERSE VOLTAGE		4			V
OPERATING TEMPERATURE		-30 TO +75			°C
STORAGE TEMPERATURE		-30 TO +85			°C
REFLOW SOLDERING TEMPERATURE (@ < 10 SEC)		240 TO 260			°C
IRON SOLDERING TEMPERATURE (@ < 10 SEC)		280 TO 320			°C



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SCALE: 8.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17405	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE SMT LED	
FRACTIONS: ±1/64	RoHS COMPLIANT	
DECIMALS (.XX): ±.01	MATERIAL	
DECIMALS (.XXX): ±.004	Dialight	
ANGLES: ±1°	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FINISH:	FSC 83330	
SHEET 1 OF 1 FAMILY TABLE:		