

DIALIGHT PART NUMBER	LED COLOR
521-9430F	GREEN TINTED NON-DIFFUSED
521-9431F	YELLOW TINTED NON-DIFFUSED
521-9432F	RED TINTED NON-DIFFUSED

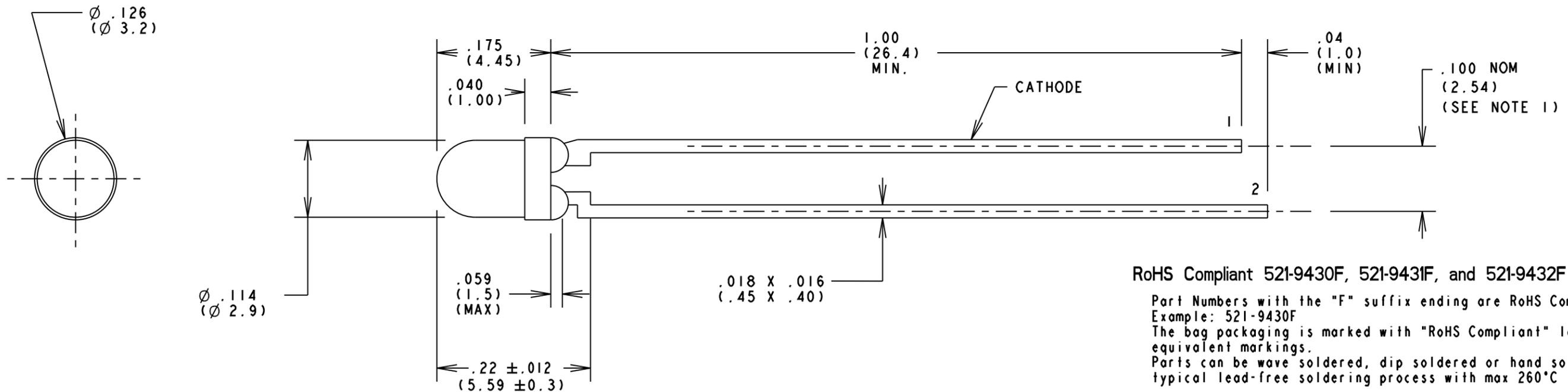


OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	LED COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	32	50		mcd	$I_f = 10 \text{ mA}$
	YELLOW	10		50		
	RED	8.7	29			
FORWARD VOLTAGE	GREEN		2.1	2.8	V	$I_f = 20 \text{ mA}$
	YELLOW		2.1	2.8		
	RED		2.0	2.8		
REVERSE CURRENT	GREEN			100	$\mu\text{A}$	$V_R = 5 \text{ V}$
	YELLOW			100		
	RED			100		
PEAK WAVELENGTH	GREEN		565		nm	
	YELLOW		585			
	RED		635			
VIEWING ANGLE	GREEN		45		Degree	
	YELLOW		45			
	RED		45			

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A		NEW RELEASE	TWC	NO	MES	12-7-05
B		ADDED PART NO.'S 521-9431F AND 521-9432F	AJF	KJL	NO	6-23-09

NOTES:

- DIE TECHNOLOGY: GaP GREEN  
GaAsP/GaP YELLOW AND RED
- LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- DIALIGHT PART NO. 521-9430F, 521-9431F, AND 521-9432F.
- 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 RATING AT 25°C AMBIENT	UNITS	GREEN	YELLOW	RED
POWER DISSIPATION	mW	100	60	100
CONTINUOUS FORWARD CURRENT	mA	30	20	30
DERATE LINEARLY FROM 50°C	mA/°C	0.4	0.25	0.4
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	mA	120	80	120
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	°C	260		
OPERATING TEMPERATURE	°C	-55 TO +100		
STORAGE TEMPERATURE	°C	-55 TO +100		



ATTENTION:  
OBSERVE PRECAUTIONS FOR  
HANDLING ELECTROSTATIC  
SENSITIVE DEVICES

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SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17334	REV B
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	TITLE 3 mm LED TINTED, NON-DIFFUSED, RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1		FAMILY TABLE: