

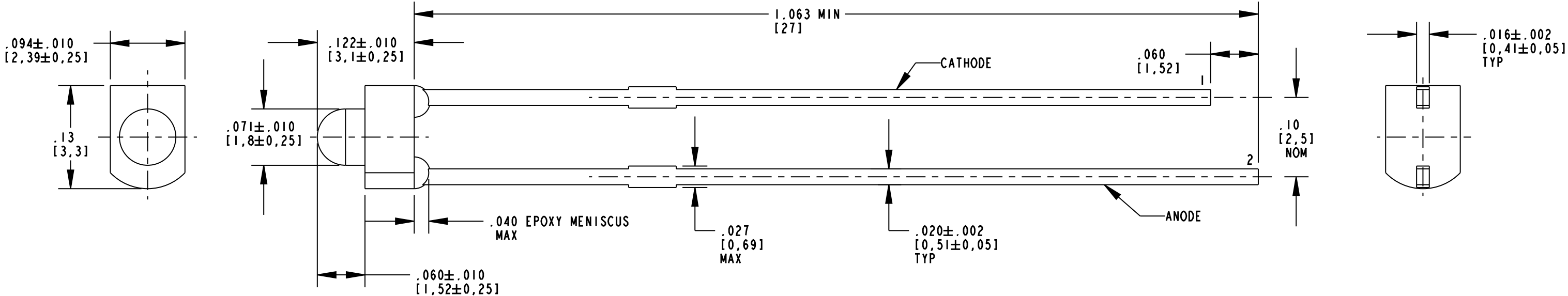
DIALIGHT PART NUMBER	LENS COLOR	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)	LUMINOUS INTENSITY (mcd) @ IF=10 mA, 25°C		FORWARD VOLTAGE (V) @ IF= 20 mA, 25°C		VIEWING ANGLE (°)
		TYP	TYP	MIN	TYP	MIN	TYP	
521-9630F	RED DIFFUSED	627	625	8	15	2.0	2.5	70
521-9631F	YELLOW DIFFUSED	590	588	5	8	2.1	2.5	70
521-9632F	GREEN DIFFUSED	565	568	5	10	2.2	2.5	70

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	AJF	KLJ	NO	11-10-09

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT	LENS COLOR			UNITS
	RED DIFFUSED	YELLOW DIFFUSED	GREEN DIFFUSED	
POWER DISSIPATION	105	105	105	mW
CONTINUOUS FORWARD CURRENT	30	30	25	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	160	140	140	mA
DERATING LINEAR FROM 25°C	0.4	0.4	0.33	mA/°C
REVERSE VOLTAGE	5			V
SOLDERING TEMPERATURE (.157 FROM BODY)	260°C FOR 5 SEC			
OPERATING TEMPERATURE	-40 TO +85			°C
STORAGE TEMPERATURE	-40 TO +85			°C

RoHS COMPLIANT 521-963XF

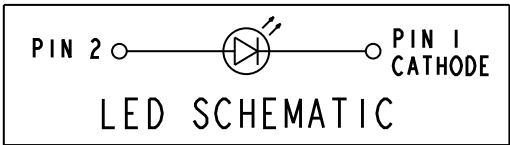
Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 521-9630F
Packaging is marked with "RoHS Compliant" label or equivalent markings. Parts can be wave soldered, dip soldered or hand soldered using typical lead-free soldering process with max 260°C temp. for 5 sec.



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

NOTES:

1. DIE: GaAsP/GaP FOR RED & YELLOW, GaP FOR GREEN.
2. EPOXY COLOR: RED DIFFUSED, YELLOW DIFFUSED, GREEN DIFFUSED.
3. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
4. PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
5. DIALIGHT PART NUMBERS: 521-9630F, 521-9631F, 521-9632F.
6. PACKAGING: BULK
7. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.



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SCALE: 8.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17797	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 1.8 mm DOT POINT LED LAMP RoHS COMPLIANT	
FRACTIONS: ±1/64 DECIMALS (.XX): ±.01 DECIMALS (.XXX): ±.005 DECIMALS (.XXXX): ±.0005 ANGLES: ±1°	MATERIAL -	
FINISH: -	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
FSCM 83330	SHEET 1 OF 1	FAMILY TABLE:

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Dialight:

521-9632F