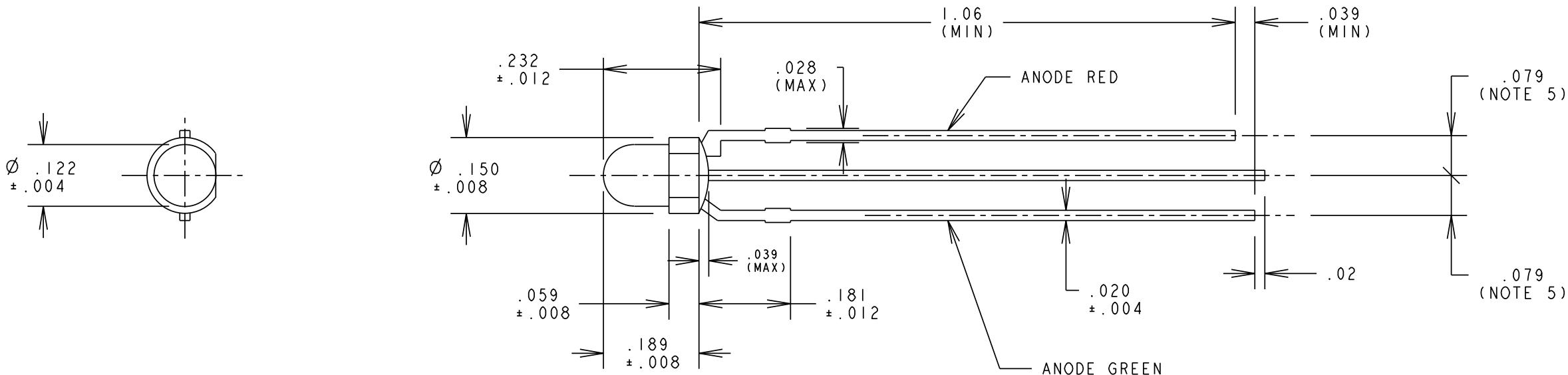


REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC			



OPERATING CHARACTERISTICS AT 25° C AMBIENT

LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED GREEN	4 6	8 12		mcad	$I_F = 20$ mA
FORWARD VOLTAGE	RED GREEN		2.0 2.1	2.5	V	$I_F = 20$ mA
REVERSE CURRENT	RED GREEN			20	μ A	$V_R = 4$ V
PEAK WAVELENGTH (λ_p)	RED GREEN		630 560		nm	
VIEWING ANGLE (2 θ 1/2)	RED GREEN		80		deg.	
CAPACITANCE	RED GREEN		35 40		pF	$V_F = 0$; $f = 1$ MHz

ABSOLUTE MAXIMUM RATINGS AT 25° C AMBIENT

	RED	GREEN	UNITS
POWER DISSIPATION	75	75	mW
DERATE LINEARLY FROM 25° C	0.85	0.85	mW / °C
CONTINUOUS FORWARD CURRENT	30	30	mA
PEAK FORWARD CURRENT	100	100	mA
REVERSE VOLTAGE	4	4	V
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	260		°C
OPERATING TEMPERATURE	-30 TO +85		°C
STORAGE TEMPERATURE	-30 TO +100		°C

NOTES:

1. EPOXY COLOR: WHITE DIFFUSED.
2. DIE: GaAsP/GaP RED & GaP GREEN.
3. LEAD FINISH: SILVER (Ag) 2.5 MICRONS, COPPER (Cu) 1.5 MICRONS, BASE LEAD FRAME IRON.
4. SOLDER ADHERANCE: BOTH LEADS PER MIL. STD. 202E, METHOD 208C.
5. LEAD SPACING MEASURED NEAR EPOXY PACKAGE.
6. 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 521-9664F Thru hole Bi-color LED

Part Numbers with the "F" suffix ending are RoHS Compliant. 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.



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SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17399	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
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:

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521-9664F