



RECOMMENDED P.C.B. HOLE PATTERN

NOTES:

1. REQUIRES EXTERNAL RESISTOR.
2. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
3. DIALIGHT PART NUMBERS: 561-5501-803F RED
561-5601-805F GREEN
561-5701-802F YELLOW

RoHS Compliant 561-5X01-80XF

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

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

LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	80.0	125.0	—	mcd	$I_f = 20 \text{ mA}$
	GREEN	112.0	265.0	418.0		
	YELLOW	96.0	140.0	184.0		
FORWARD VOLTAGE	RED	—	2.2	3.0	V	$I_f = 20 \text{ mA}$
	GREEN	1.5	2.2	3.0		
	YELLOW	1.5	2.1	2.6		
REVERSE VOLTAGE	ALL	5.0			V	$I_f = 100 \text{ mA}$
PEAK WAVELENGTH	RED	—	635	—	nm	
	GREEN	—	565	—		
	YELLOW	—	583	—		
DOMINANT WAVELENGTH	RED	—	—	—	nm	
	GREEN	562	569	576		
	YELLOW	578	585	593		
VIEWING ANGLE (2 θ 1/2)	ALL	24			DEG	

ABSOLUTE MAXIMUM RATINGS	COLOR		UNITS
AVERAGE FORWARD CURRENT	RED	30	mA
	GREEN	25	
	YELLOW	20	
PEAK FORWARD CURRENT	RED	—	mA
	GREEN	90	
	YELLOW	60	
TRANSIENT FORWARD CURRENT (10 ms PLUSE)	ALL	500	mA
LEAD SOLDERING TEMPERATURE FOR 5 SEC.	ALL	260	°C
OPERATING TEMPERATURE	RED	-55 TO +100	°C
	GREEN	-20 TO +100	
	YELLOW	-55 TO +100	
STORAGE TEMPERATURE	ALL	-55 TO +100	°C



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

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SCALE: DRAWING SCALE ALL DIM'S IN: INCHES (MM)	DRAWING NUMBER C-17567	REV A
TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONS: $\pm 1/64$ DECIMALS (.XX): $\pm .01$ DECIMALS (.XXX): $\pm .005$ DECIMALS (.XXXX): $\pm .0005$ ANGLES: $\pm 1^\circ$	TITLE 5mm VERTICAL CBI RoHS COMPLIANT	
FINISH:	MATERIAL	
FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727	
SHEET 1 OF 1 FAMILY TABLE:		

Mouser Electronics

Authorized Distributor

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

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