

PART NUMBER and LEGEND	LED COLOR			
	POSITION 1	POSITION 2	POSITION 3	POSITION 4
568-0701-823F	RED / GREEN	YELLOW / GREEN	YELLOW / GREEN	YELLOW / GREEN

REV	ECN NO	REVISIONS	DRN	QCD	APP	DATE
A		NEW RELEASE	TWC	N.O.	MES	7-27-06
B		CHANGED POLARITY ON SCHEMATIC TO MATCH FRONT VIEW; ADD R/G SCHEMATIC PIN 7 RED CATHODE.	TC			

NOTES:

- LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN
- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS.
- DIALIGHT PART NUMBER: 568-0701-823F
- PACKAGE PARTS IN ANTI-STATIC TUBES. 100 PCS PER TUBE WITH 2 END PLUGS. APPLY LABEL WITH DIALIGHT P/N, DATE CODE, QTY/TUBE. 6- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.

OPERATING CHARACTERISTICS AT 25 ° C AMBIENT

LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	2.5	6.3		mc d	$I_f = 10 \text{ mA}$
	YELLOW	2.5	4.3			
FORWARD VOLTAGE	GREEN		2.1	2.8	V	$I_f = 20 \text{ mA}$
	YELLOW					
PEAK WAVELENGTH (λ_p)	GREEN		565		nm	
	YELLOW		585			
DOMINANT WAVELENGTH (λ_d)	GREEN (Y3)	585	569	589	nm	MEASURED ON EXELTRON 2001
	YELLOW (Y2)	583		587		
VIEWING ANGLE (2θ 1/2)	GREEN		80		DEGREES	
	YELLOW					
CAPACITANCE	GREEN		35		pF	$V_f = 0 \text{ V}, f = 1 \text{ MHz}$
	YELLOW		15			

ABSOLUTE MAXIMUM RATINGS AT 25 ° C AMBIENT

	GREEN	YELLOW	UNITS
POWER DISSIPATION	100	60	mW
DERATE LINEARLY FROM 50 ° C	0.4	0.25	mW/°C
CONTINUOUS FORWARD CURRENT	30	20	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	120	80	mA
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY		260	°C
OPERATING TEMPERATURE		-55 TO +100	°C
STORAGE TEMPERATURE		-55 TO +100	°C

LED COLOR = GRN/RED BI-COLOR						
OPERATING CHARACTERISTICS AT 25 ° C AMBIENT						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	GREEN	3.7	10.0		mc d	$I_f = 10 \text{ mA}$
	RED	2.5	4.7			
FORWARD VOLTAGE	GREEN		2.1	2.8	V	
	RED		2.0			
PEAK WAVELENGTH	GREEN		565		nm	$I_f = 20 \text{ mA}$
	RED		635			
VIEWING ANGLE	GREEN		60		DEGREES	
	RED					

ABSOLUTE MAXIMUM RATINGS AT 25 ° C AMBIENT

	GREEN	RED	UNITS
POWER DISSIPATION		100	mW
DERATE LINEARLY FROM 50 ° C		0.4	mW/°C
CONTINUOUS FORWARD CURRENT		30	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 10 ms PULSE WIDTH)		120	mA
LEAD SOLDERING TEMPERATURE, 6 SEC., 1/16" FROM BASE		260	°C
OPERATING TEMPERATURE		-55 TO +100	°C
STORAGE TEMPERATURE		-55 TO +100	°C

RoHS Compliant 568-0701-823F

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-17421
REVISEMENTS: FRACTIONS: 1/16 IN. DECIMALS: 1.0000 IN. DECIMALS: 1.0000 IN. ANGLES: .01°	TITLE: CUSTOM KIT "KIT BLOCK" (R/G) (Y/G) TAG: TAG - SPECIAL LEAD TRIM - 150° MATERIAL: BARE COMPLIANT
FINISH: FSCM 83330	Dialight 1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
SHEET 1 OF 1 FAMILY TABLE	



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

