

Excellent Integrated System Limited

Stocking Distributor

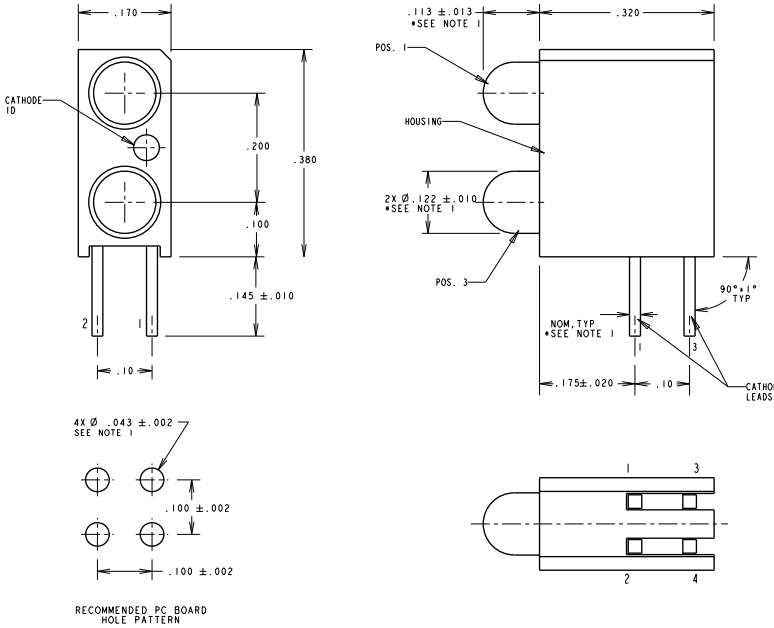
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Dialight](#)
[5530128](#)

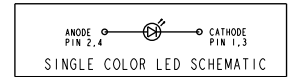
For any questions, you can email us directly:

sales@integrated-circuit.com

ASSY. NO. (CAT. NO.)	LED COLOR	POSITION 1	POSITION 2	NOTE
553-0101	BLANK	RED		
553-0102	BLANK	GREEN		
553-0103	BLANK	YELLOW		
553-0108	BLANK	BLUE		##
553-0110	RED	BLANK		
553-0111	RED	RED		
553-0112	RED	GREEN		
553-0113	RED	YELLOW		
553-0118	RED	BLUE		##
553-0120	GREEN	BLANK		
553-0121	GREEN	RED		
553-0122	GREEN	GREEN		
553-0123	GREEN	YELLOW		
553-0128	GREEN	BLUE		##
553-0130	YELLOW	BLANK		
553-0131	YELLOW	RED		
553-0132	YELLOW	GREEN		
553-0133	YELLOW	YELLOW		
553-0182	BLUE	GREEN		##
553-0188	BLUE	BLUE		##
553-0201	BLANK	RED		#
553-0202	BLANK	GREEN		#
553-0203	BLANK	YELLOW		#
553-0210	RED	BLANK		#
553-0211	RED	RED		#
553-0212	RED	GREEN		#
553-0213	RED	YELLOW		#
553-0220	GREEN	BLANK		#
553-0221	GREEN	RED		#
553-0222	GREEN	GREEN		#
553-0223	GREEN	YELLOW		#
553-0230	YELLOW	BLANK		#
553-0231	YELLOW	RED		#
553-0232	YELLOW	GREEN		#
553-0233	YELLOW	YELLOW		#
553-0301	BLANK	RED		#
553-0302	BLANK	GREEN		#
553-0303	BLANK	YELLOW		#
553-0310	RED	BLANK		#
553-0311	RED	RED		#
553-0312	RED	GREEN		#
553-0313	RED	YELLOW		#
553-0320	GREEN	BLANK		#
553-0321	GREEN	RED		#
553-0322	GREEN	GREEN		#
553-0323	GREEN	YELLOW		#
553-0331	YELLOW	RED		#
553-0332	YELLOW	GREEN		#
553-0333	YELLOW	YELLOW		#



REV	EDN NO	REVISIONS	OWN	CHK	APP	DATE
A		NEW RELEASE	LR			N.O. 4-20-95
B		ADDED P/N 553-0108, NOTE 2, LED SPECS & "ATTENTION" NOTE	TC	DC		N.O. 10-18-99
C		ADDED BOTTOM VIEW WITH P/N DESIGNATION AND SCHEMATIC.	TC	DC		N.O. 5-18-99
D		REVISED SV RED, GREEN AND YELLOW LED FORWARD VOLTAGE TYP. SPECS.	TC	DC		N.O. 9-18-00
E		REVISED 3MA RED, GREEN AND YELLOW LED FORWARD VOLTAGE TYP. SPECS. AND RED LUMINOUS INTENSITY TYP. SPEC. ADDED NOTE 3 AND TITLE.	DC	RD		N.O. 2-19-01
F		ADDED P/N 553-0108, 553-0118, 553-0128, 553-0230 & ESD LOGO	JMC	N.O.	MES	3-10-04
G		ADDED P/N 553-0182	JMC	N.O.	Y.C.	11-1-04
H		REV LETTER "G" IN REVISION TABLE WAS "F"	TWC			



NOTE:

- * DENOTES PARTS WITH LED PROTRUSION OF .103 ± .013, WITH LEADS .018 SQ. NOM. LED BODY Ø .115 ± .010 AND THE PC BOARD RECOMMENDED HOLE SIZE IS Ø .040 ± .002.
- DIALIGHT PART NUMBER: 553-0XXX
- PIN NUMBER FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PARTS.



**** ATTENTION:**
OBSERVE PRECAUTIONS FOR
HAZARDOUS ELECTROSTATIC
SENSITIVE DEVICES

10 ma LED. OPERATING CHARACTERISTICS AT $T_A = 25^\circ\text{C}$							
SYMBOL	PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND.
V_F	FORWARD VOLTAGE	RED		2.0	3.0		
		YELLOW		2.1	3.0		
		GREEN		2.1	3.0		
		BLUE		3.5	4.2		
V_R	REVERSE VOLTAGE	ALL	3			V	$I_F = 10\text{ mA}$
λ_{PK}	PEAK WAVELENGTH	RED	650			nm	MEASURED AT PEAK
		YELLOW	585				
		GREEN	563				
		BLUE	428				
I_V	LUMINOUS INTENSITY	RED	3.6	10.0		mc d	
		YELLOW	2.2	6.3			
		GREEN	5.6	16.0			
		BLUE	6.3		20		

2 ma LOW CURRENT LED. OPERATING CHARACTERISTICS AT $T_A = 25^\circ\text{C}$							
SYMBOL	PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND.
V_F	FORWARD VOLTAGE	RED		1.7	2.2		
		YELLOW		1.8	2.7		
		GREEN		1.9	2.2		
V_R	REVERSE VOLTAGE	ALL	5			V	$I_F = 50\text{ }\mu\text{A}$
λ_{PK}	PEAK WAVELENGTH	RED	635			nm	MEASURED AT PEAK
		YELLOW	583				
		GREEN	565				
I_V	LUMINOUS INTENSITY	RED	1.0	1.6		mc d	
		YELLOW	1.0	1.6			
		GREEN	1.0	1.6			

5 V., INTEGRAL RESISTOR LED OPERATING CHARACTERISTICS AT $T_A = 25^\circ\text{C}$							
SYMBOL	PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND.
I_F	FORWARD CURRENT	RED		10	20	mA	
		YELLOW		10	20		
		GREEN		10	20		
V_R	REVERSE VOLTAGE	ALL	5			V	$I_F = 100\text{ }\mu\text{A}$
λ_{PK}	PEAK WAVELENGTH	RED	635			nm	MEASURED AT PEAK
		YELLOW	585				
		GREEN	565				
I_V	LUMINOUS INTENSITY	RED	8.7	29		mc d	
		YELLOW	3.7	12.6			
		GREEN	5.6	19			

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SCALE: DRAWING SCALE	DRAWING NUMBER	REV	
ALL DIMS IN: INCHES (MM)	C-15967	H	
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 3mm LED B1-LEVEL CBI		
FRACTIONS: 1/16, 1/8, 1/4	MATERIAL		
DECIMALS: 1 XXX: 0.01	FINISH:		
DECIMALS: 1 XXXX: 0.005	Dialight		
ANGLES: 30°	1501 ROUTE 34 SOUTH FARMINGDALE, N.J. 07127		
ESD 83330	SHEET 1 OF 1 FAMILY TABLES:		