

Excellent Integrated System Limited

Stocking Distributor

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

[Dialight](#)
[5640100002F](#)

For any questions, you can email us directly:

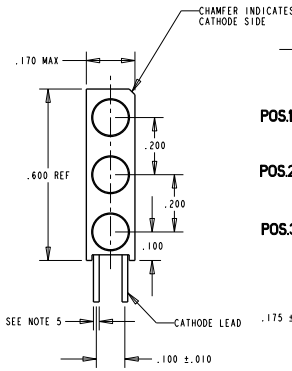
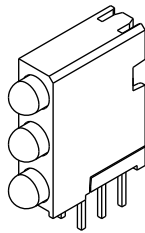
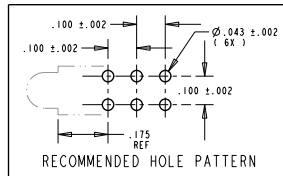
sales@integrated-circuit.com

PART NUMBER and LEGEND	LED COLOR	
	POSITION 1	POSITION 2
564-0100-002F	** BLANK **	** BLANK **
564-0100-010F	** BLANK **	RED DIFFUSED
564-0100-011F	** BLANK **	RED DIFFUSED
564-0100-020F	** BLANK **	GREEN DIFFUSED
564-0100-022F	** BLANK **	GREEN DIFFUSED
564-0100-030F	** BLANK **	YELLOW DIFFUSED
564-0100-100F	RED DIFFUSED	** BLANK **
564-0100-101F	RED DIFFUSED	** BLANK **
564-0100-111F	RED DIFFUSED	RED DIFFUSED
564-0100-112F	RED DIFFUSED	RED DIFFUSED
564-0100-113F	RED DIFFUSED	RED DIFFUSED
564-0100-120F	RED DIFFUSED	GREEN DIFFUSED
564-0100-121F	RED DIFFUSED	GREEN DIFFUSED
564-0100-122F	RED DIFFUSED	GREEN DIFFUSED
564-0100-123F	RED DIFFUSED	GREEN DIFFUSED
564-0100-132F	RED DIFFUSED	YELLOW DIFFUSED
564-0100-173F	RED DIFFUSED	ORANGE DIFFUSED
564-0100-200F	GREEN DIFFUSED	** BLANK **
564-0100-201F	GREEN DIFFUSED	** BLANK **
564-0100-202F	GREEN DIFFUSED	** BLANK **
564-0100-203F	GREEN DIFFUSED	** BLANK **
564-0100-207F	GREEN DIFFUSED	** BLANK **
564-0100-210F	GREEN DIFFUSED	RED DIFFUSED
564-0100-211F	GREEN DIFFUSED	RED DIFFUSED
564-0100-212F	GREEN DIFFUSED	RED DIFFUSED
564-0100-213F	GREEN DIFFUSED	RED DIFFUSED
564-0100-220F	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-221F	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-222F	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-223F	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-227F	GREEN DIFFUSED	GREEN DIFFUSED
564-0100-231F	GREEN DIFFUSED	YELLOW DIFFUSED
564-0100-232F	GREEN DIFFUSED	YELLOW DIFFUSED
564-0100-233F	GREEN DIFFUSED	YELLOW DIFFUSED
564-0100-271F	GREEN DIFFUSED	ORANGE DIFFUSED
564-0100-277F	GREEN DIFFUSED	ORANGE DIFFUSED
564-0100-300F	YELLOW DIFFUSED	** BLANK **
564-0100-302F	YELLOW DIFFUSED	** BLANK **
564-0100-303F	YELLOW DIFFUSED	** BLANK **
564-0100-311F	YELLOW DIFFUSED	RED DIFFUSED
564-0100-312F	YELLOW DIFFUSED	RED DIFFUSED
564-0100-313F	YELLOW DIFFUSED	RED DIFFUSED
564-0100-320F	YELLOW DIFFUSED	GREEN DIFFUSED
564-0100-321F	YELLOW DIFFUSED	GREEN DIFFUSED
564-0100-322F	YELLOW DIFFUSED	GREEN DIFFUSED
564-0100-323F	YELLOW DIFFUSED	GREEN DIFFUSED
564-0100-331F	YELLOW DIFFUSED	YELLOW DIFFUSED
564-0100-332F	YELLOW DIFFUSED	YELLOW DIFFUSED
564-0100-333F	YELLOW DIFFUSED	YELLOW DIFFUSED
564-0100-700F	ORANGE DIFFUSED	** BLANK **
564-0100-772F	ORANGE DIFFUSED	GREEN DIFFUSED
564-0100-777F	ORANGE DIFFUSED	ORANGE DIFFUSED
564-0100-922F	BLUE DIFFUSED	GREEN DIFFUSED
564-0100-932F	BLUE DIFFUSED	YELLOW DIFFUSED
564-0100-999F	BLUE DIFFUSED	BLUE DIFFUSED

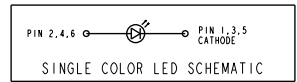
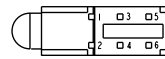
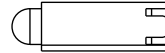
OPERATING CHARACTERISTICS AT 25°C AMBIENT						
CHARACTERISTICS	LED COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	7.4	10.0		mcd	I _F = 10 mA
	YELLOW	7.4	10.0			
	GREEN	4.7	12.6			
	ORANGE	3.4	7.0			
	BLUE	6.3		20		
FORWARD VOLTAGE	RED		2.0	2.8	V	I _F = 20 mA
	YELLOW		2.1	2.8		
	GREEN		2.1	2.8		
	ORANGE	1.5	2.2	3.0		
	BLUE		3.5	4.2		
REVERSE CURRENT	ALL BUT BLUE			100	µA	V _R = 5 V
	RED		635			
PEAK WAVELENGTH	YELLOW		585		nm	MEASURED AT PEAK
	GREEN		565			
	ORANGE		600			
	BLUE		428			
	ALL OTHERS		60			
VIEWING ANGLE	ALL OTHERS		60		Degree	
	BLUE		70			

ABSOLUTE MAXIMUM RATING AT 25°C AMBIENT					
	UNITS	RED	YELLOW	GREEN	ORANGE
POWER DISSIPATION	mW	100	60	100	135
CONTINUOUS FORWARD CURRENT	mA	30	20	30	25
DERATING LINEAR FROM 50° C	mA/°C	0.4	0.25	0.4	0.44
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	mA	120	80	120	90
LEAD SOLDERING TEMPERATURE, 5 SEC., 1/16" FROM BODY	°C	260			
OPERATING TEMPERATURE	°C	-55 TO 100			
STORAGE TEMPERATURE	°C	-55 TO 100			

REV	ECN NO	REVISIONS	DRN	CHK	APP	DATE
A		NEW RELEASE	TWC	MES	N.O.	8-10-05
B		ADDED P/N 564-0100-922F AND ESD LOGO	TWC	TC	N.O.	9-25-05
C		ADDED P/N 564-0100-200F AND -201F	TWC	NO	MES	2-8-06
D		ADDED P/N 564-0100-173F	TC	N.O.	MES	1-28-06
E		ADDED P/N 564-0100-772F	SM			



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



- NOTES:
1. LEADS TO FIT INTO HOLES SPACED AS PER HOLE PATTERN.
2. WHEN A ZERO APPEARS IN THE LAST 3 DIGITS OF THE PART NUMBER THIS MEANS NO LAMP REQUIRED IN THAT POSITION.
3. LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
4. PIN NUMBERS FOR REFERENCE ONLY. DESIGNATION NON-EXISTENT ON PARTS.
5. RED, GRN, YEL, 010, 016; ORANGE 018 SQ.; BLUE 020 SQ.
6. DIALIGHT PART NO. 564-0100-002F THRU 564-0100-999F.
* ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.

RoHS Compliant 564-0100-xxxxF Thru hole Tri-Hevel CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 564-0100-002F, 564-0100-999F
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.

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SCALE: DRAWING SCALE	DRAWING NUMBER
ALL DIMS IN: INCHES (MM)	REV
TOLERANCES: UNLESS OTHERWISE SPECIFIED	
FRACTIONS: 1/16"	TITLE
DECIMALS (XXX): 0.01	STANDARD 3X1 CBI BLOCK
DECIMALS (XXXX): 0.005	RoHS COMPLIANT
DECIMALS (XXXXX): 0.0005	MATERIAL
ANGLES: 30°	
FINISH:	
FSCN	833330
SHEET	1 OF 1 FAMILY TABLE:

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