

DIALIGHT PART NUMBER	LED COLOR		DIM "A"	DIM "B"
	POSITION 1	POSITION 2		
553-0102-300F	BLANK	GREEN DIFFUSED	.097	.122±.010
553-0103-300F	BLANK	YELLOW DIFFUSED	.097	.122±.010
553-0108-300F	BLANK	BLUE NON-TINTED DIFFUSED	.093	.110±.010
553-0111-300F	RED DIFFUSED	RED DIFFUSED	.097	.122±.010
553-0112-300F	RED DIFFUSED	GREEN DIFFUSED	.097	.122±.010
553-0113-300F	RED DIFFUSED	YELLOW DIFFUSED	.097	.122±.010
553-0117-300F	RED DIFFUSED	ORANGE DIFFUSED	.097	.122±.010
553-0121-300F	GREEN DIFFUSED	RED DIFFUSED	.097	.122±.010
553-0122-300F	GREEN DIFFUSED	GREEN DIFFUSED	.097	.122±.010
553-0123-300F	GREEN DIFFUSED	YELLOW DIFFUSED	.097	.122±.010
553-0127-300F	GREEN DIFFUSED	ORANGE DIFFUSED	.087	.115±.010
553-0131-300F	YELLOW DIFFUSED	RED DIFFUSED	.097	.122±.010
553-0132-300F	YELLOW DIFFUSED	GREEN DIFFUSED	.097	.122±.010
553-0133-300F	YELLOW DIFFUSED	YELLOW DIFFUSED	.097	.122±.010
553-0172-300F	ORANGE DIFFUSED	GREEN DIFFUSED	.097	.122±.010
553-0177-300F	ORANGE DIFFUSED	ORANGE DIFFUSED	.087	.115±.010
553-0188-300F	BLUE NON-TINTED DIFFUSED	BLUE NON-TINTED DIFFUSED	.093	.110±.005
553-0201-300F	BLANK	2 mA RED DIFFUSED	.087	.115±.010
553-0203-300F	BLANK	2 mA YELLOW DIFFUSED	.087	.115±.010
553-0211-300F	2 mA RED DIFFUSED	2 mA RED DIFFUSED	.087	.115±.010
553-0212-300F	2 mA RED DIFFUSED	2 mA GREEN DIFFUSED	.087	.115±.010
553-0213-300F	2 mA RED DIFFUSED	2 mA YELLOW DIFFUSED	.087	.115±.010
553-0221-300F	2 mA GREEN DIFFUSED	2 mA RED DIFFUSED	.087	.115±.010
553-0222-300F	2 mA GREEN DIFFUSED	2 mA GREEN DIFFUSED	.087	.115±.010
553-0223-300F	2 mA GREEN DIFFUSED	2 mA YELLOW DIFFUSED	.087	.115±.010
553-0232-300F	2 mA YELLOW DIFFUSED	2 mA GREEN DIFFUSED	.087	.115±.010
553-0233-300F	2 mA YELLOW DIFFUSED	2 mA YELLOW DIFFUSED	.087	.115±.010
553-0303-300F	BLANK	5 V YELLOW DIFFUSED	.087	.115±.010
553-0311-300F	5 V RED DIFFUSED	5 V RED DIFFUSED	.087	.115±.010
553-0312-300F	5 V RED DIFFUSED	5 V GREEN DIFFUSED	.087	.115±.010
553-0313-300F	5 V RED DIFFUSED	5 V YELLOW DIFFUSED	.087	.115±.010
553-0322-300F	5 V GREEN DIFFUSED	5 V GREEN DIFFUSED	.087	.115±.010
553-0323-300F	5 V GREEN DIFFUSED	5 V YELLOW DIFFUSED	.087	.115±.010
553-0332-300F	5 V YELLOW DIFFUSED	5 V GREEN DIFFUSED	.087	.115±.010
553-0333-300F	5 V YELLOW DIFFUSED	5 V YELLOW DIFFUSED	.087	.115±.010
553-0701-300F	BLANK	BI-COLOR RED/GREEN	.093	.118±.005
553-0711-300F	BI-COLOR RED/GREEN	BI-COLOR RED/GREEN	.093	.118±.005
553-0714-300F	BI-COLOR RED/GREEN	BI-COLOR YELLOW/GREEN	.093	.118±.005
553-0741-300F	BI-COLOR YELLOW/GREEN	BI-COLOR RED/GREEN	.093	.118±.005
553-0744-300F	BI-COLOR YELLOW/GREEN	BI-COLOR YELLOW/GREEN	.093	.118±.005
553-2211-300F	RED TINTED NON-DIFFUSED	RED TINTED NON-DIFFUSED	.087	.115±.010
553-2222-300F	GREEN TINTED NON-DIFFUSED	GREEN TINTED NON-DIFFUSED	.087	.115±.010
553-2223-300F	GREEN TINTED NON-DIFFUSED	YELLOW TINTED NON-DIFFUSED	.087	.115±.010
553-2232-300F	YELLOW TINTED NON-DIFFUSED	GREEN TINTED NON-DIFFUSED	.087	.115±.010
553-2233-300F	YELLOW TINTED NON-DIFFUSED	YELLOW TINTED NON-DIFFUSED	.087	.115±.010

10 mA NON-DIFFUSED LED [OPERATING CHARACTERISTICS AT 25°C]						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	8.7	29		mcd	I _F = 10 mA
	YELLOW	10	50			
	GREEN	32	50			
FORWARD VOLTAGE	RED		2.0	2.8	V	I _F = 10 mA
	YELLOW		2.1	2.8		
	GREEN		2.1	2.8		
REVERSE VOLTAGE	RED	5			V	I _R = 100 µA
	YELLOW	5				
	GREEN	5				
PEAK WAVELENGTH	RED		635		nm	MEASURED AT PEAK
	YELLOW		585			
	GREEN		565			

10 mA DIFFUSED LED [OPERATING CHARACTERISTICS AT 25°C]						
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS
LUMINOUS INTENSITY	RED	3.6	10		mcd	I _F = 10 mA
	YELLOW	2.2	6.3			
	GREEN	5.6	16			
	BLUE	6.3		20		
	ORANGE	3.4	7.0			
FORWARD VOLTAGE	RED		2.0	3.0	V	I _F = 10 mA
	YELLOW		2.1	3.0		
	GREEN		2.1	3.0		
	BLUE		3.5	4.2		
	ORANGE	1.5	2.2	3.0		
REVERSE VOLTAGE	RED	3			V	I _R = 10 µA
	YELLOW	3				
	GREEN	3				
	BLUE	3				
	ORANGE	5				
PEAK WAVELENGTH	RED		650		nm	MEASURED AT PEAK
	YELLOW		585			
	GREEN		563			
	BLUE		428			
	ORANGE		600			

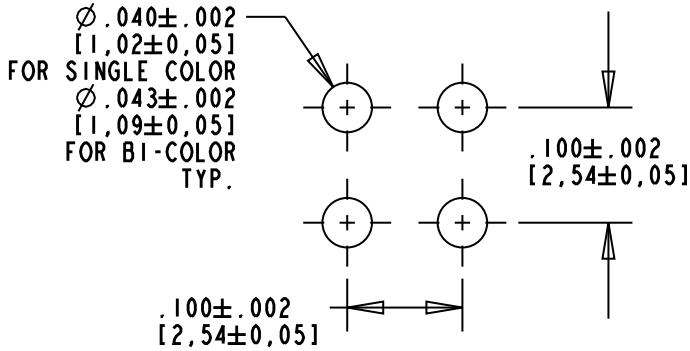
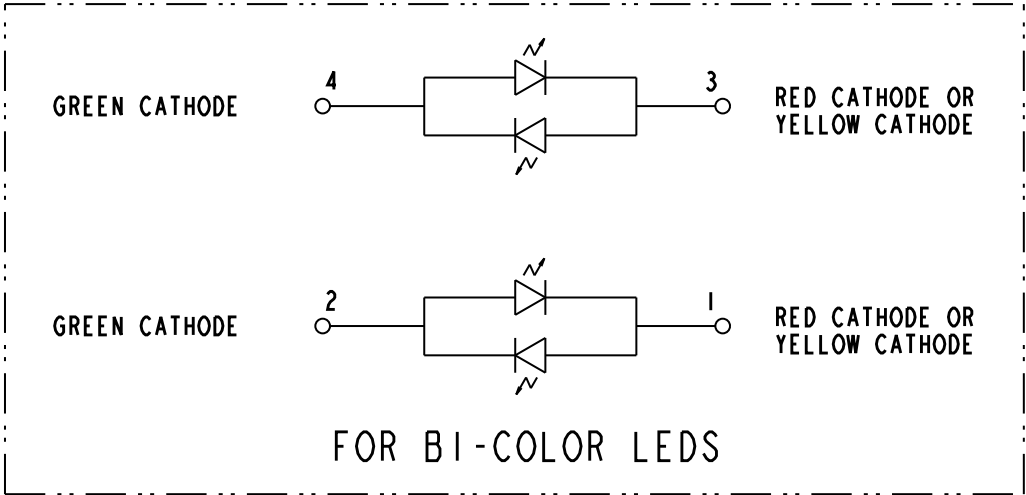
BI-COLOR LED [OPERATING CHARACTERISTICS AT 25°C]							
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS	
LUMINOUS INTENSITY	YELLOW	2.5	4.3		mcd	I _F = 10 mA	
	GREEN		6.3				
	RED	2.5	4.7				
FORWARD VOLTAGE	GREEN		3.7	10.0	mA	I _F = 10 mA	
	YELLOW		2.1	2.8			
	RED		2.0	2.1			
PEAK WAVELENGTH	YELLOW		585		nm	MEASURED AT PEAK	
	GREEN		565				
	RED		635				

2 mA NON-DIFFUSED LED [OPERATING CHARACTERISTICS AT 25°C]							
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS	
LUMINOUS INTENSITY	RED	1.0	1.6		mcd	I _F = 2 mA	
	YELLOW	1.0	1.6				
	GREEN	1.0	1.6				
FORWARD VOLTAGE	RED		1.7	2.2	V	I _F = 2 mA	
	YELLOW		1.8	2.7			
	GREEN		1.9	2.2			
REVERSE VOLTAGE	RED	5			V	I _R = 50 µA	
	YELLOW	5					
	GREEN	5					
PEAK WAVELENGTH	RED		635		nm	MEASURED AT PEAK	
	YELLOW		585				
	GREEN		565				

5 V INTEGRAL RESISTOR LED [OPERATING CHARACTERISTICS AT 25°C]							
CHARACTERISTICS	COLOR	MIN	TYP	MAX	UNITS	TEST CONDITIONS	
LUMINOUS INTENSITY	RED	8.7	29		mcd	V _F = 5 V	
	YELLOW	3.7	12.6				
	GREEN	5.6	19				
FORWARD CURRENT	RED		10	20	mA	V _F = 5 V	
	YELLOW		10	20			
	GREEN		10	20			
REVERSE VOLTAGE	RED	5			V	I _R = 100 µA	
	YELLOW	5					
	GREEN	5					
PEAK WAVELENGTH	RED		635		nm	MEASURED AT PEAK	
	YELLOW		585				
	GREEN		565				

NOTES:

- LED LEAD DIMENSIONS SHOWN ARE MEASURED AT HOUSING EXIT.
- LEADS TO FIT INTO HOLES SPACED AS PER PATTERN.
- PIN NUMBERS FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- DIALIGHT PART NUMBERS: 553-XXXX-300F.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.

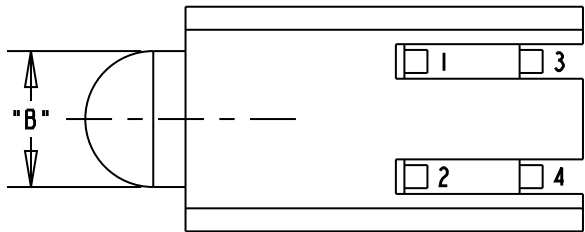
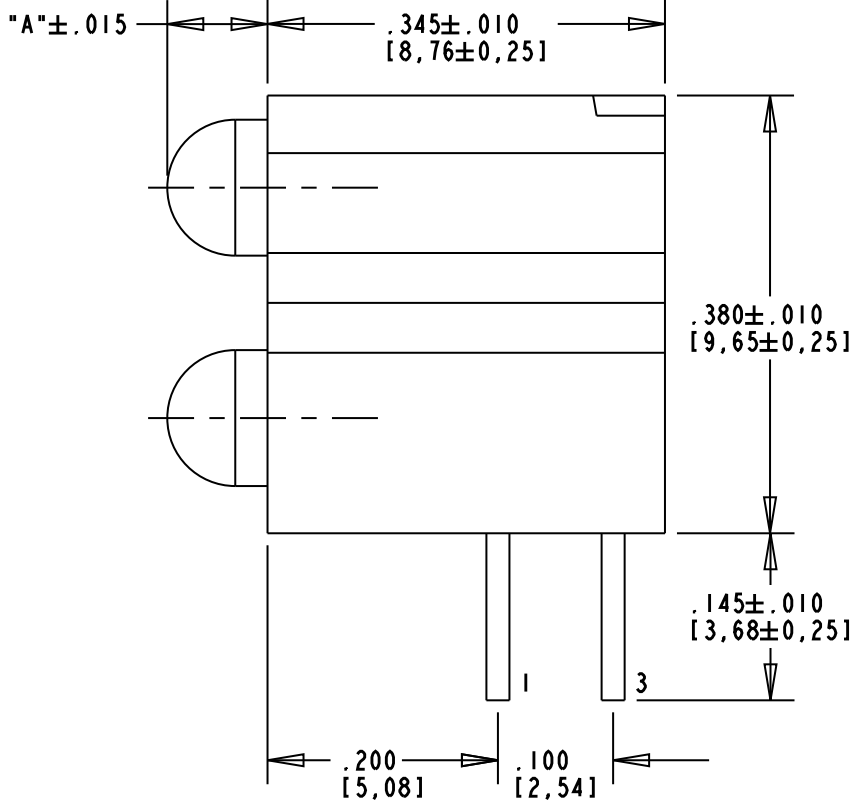
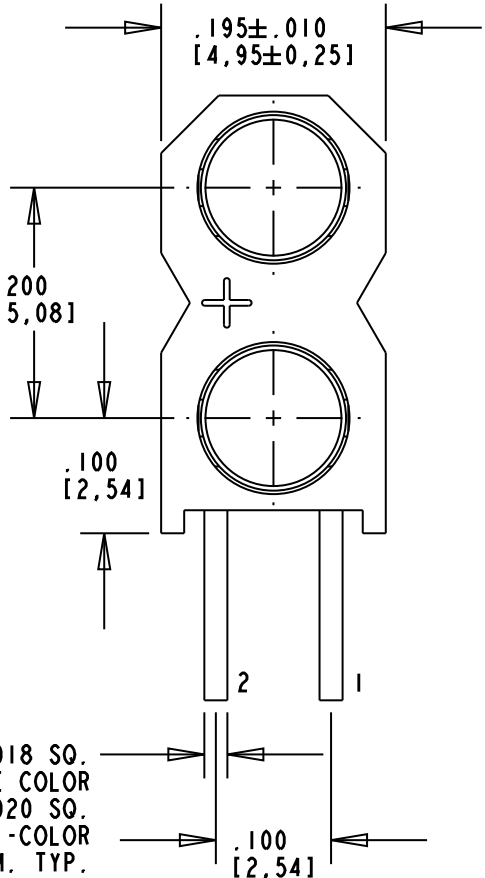


RECOMMENDED HOLE PATTERN GAUGE



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	TWC	—	—	—
B	—	ADDED P/N 553-2232-300F & DUAL DIMENSIONS; UPDATED NOTES; DELETED BACK VIEW.	AJF	KLJ	NO	9-29-10



RoHS Compliant 553-XXXX-300F Thru hole Bi-level CBI

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 553-0112-300F
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: 6.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17297	B
TOLERANCES: UNLESS OTHERWISE SPECIFIED	TITLE 3mm BI-LEVEL LED CBI	
FRACTIONS: ±1/64	RoHS COMPLIANT	
DECIMALS (.XX): ±.02	MATERIAL	
DECIMALS (.XXX): ±.015		
ANGLES: ±°		
FINISH:		
FSCM 83330		
SHEET 1 OF 1	FAMILY TABLE:	

Mouser Electronics

Authorized Distributor

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

Dialight:

[553-0221-300F](#) [553-0132-300F](#) [553-0177-300F](#) [553-0112-300F](#)