

Excellent Integrated System Limited

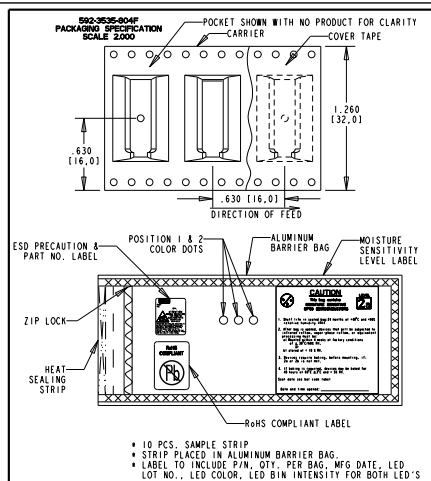
Stocking Distributor

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

[Dialight](#)
[5923535803F](#)

For any questions, you can email us directly:

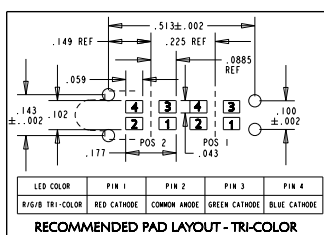
sales@integrated-circuit.com



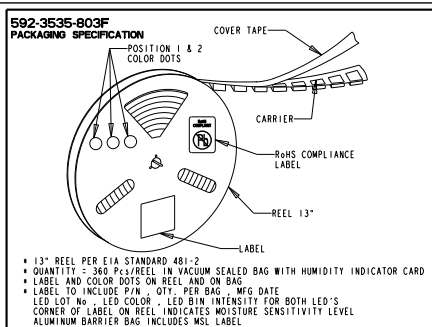
NOTES -

- 1- STORAGE OF TAPED PARTS MUST NOT EXCEED TWELVE (12) MONTHS AFTER WHICH RE-PACKAGING IS REQUIRED
- 2- FRONT AND REAR TERMINALS (OF EACH LED) OF THE ASSEMBLY TO BE WITHIN .005 COPLANARITY
- 3- OPTICAL INTENSITY:
- RED = 46 mcd @ 20mA TYP
GREEN = 83 mcd @ 20mA TYP
BLUE = 25 mcd @ 20mA TYP
- 4- MOISTURE SENSITIVITY LEVEL
- A LABEL WILL BE PLACED ON THE BAG
- 5- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DUTY (ESDS) AND ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- 6- DIALIGHT PART NUMBERS:
- 592-3533-804F (STRIP)
592-3533-804P (TYPICAL)

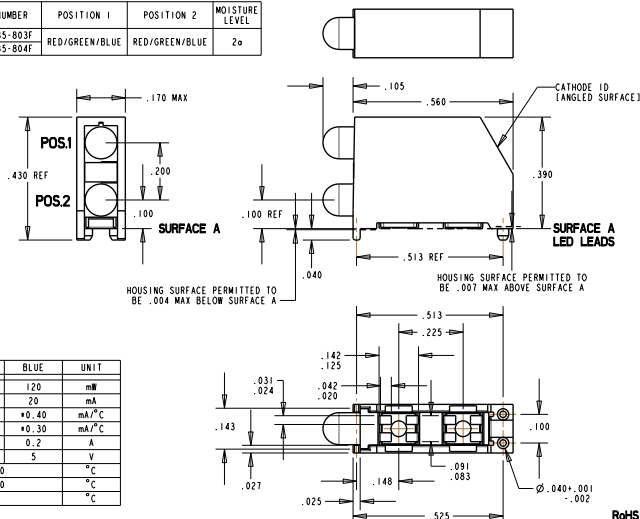
ABSOLUTE MAXIMUM RATINGS AT 25 °C AMBIENT	RED	GREEN	BLUE	UNIT
POWER DISSIPATION (TOTAL)	72	120	120	mW
CONTINUOUS FORWARD CURRENT (SINGLE CHIP)	30	20	20	mA
DERATE LINEARLY FROM 80°C (BLUE & GREEN FROM 70°C) BASED ON 1 CHIP ON	1.00	+0.67	+0.40	mA/°C
DERATE LINEARLY FROM 65°C (BLUE & GREEN FROM 50°C) BASED ON 3 CHIPS ON	0.75	+0.30	+0.30	mA/°C
CURSE CURRENT	0.5	0.5	0.5	mA
REVERSE VOLTAGE	5	5	5	V
OPERATING TEMPERATURE RANGE	-55	+100	+100	°C
STORAGE TEMPERATURE RANGE	-55	+100	+100	°C
FUNCTION TEMPERATURE	-10	+110	+110	°C



ATTENTION:
TAKE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES



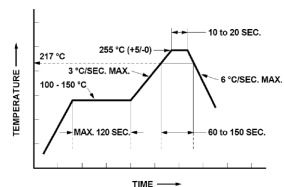
PART NUMBER	POSITION 1	POSITION 2	MOISTURE LEVEL
592-3535-803F	RED/GREEN/BLUE	RED/GREEN/BLUE	2a
592-3535-804F			



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

OPERATING CHARACTERISTICS AT 25 °C AMBIENT

LED CHARACTERISTICS	COLOR	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
FORWARD VOLTAGE	BLUE GREEN RED	3.4 3.4 1.9	4.05 4.05 2.4		V	$I_f = 20 \text{ mA}$
REVERSE CURRENT	BLUE GREEN RED	100 100 100			μA	$V_R = 5\text{V}$
PEAK WAVELENGTH	BLUE GREEN RED	468 523 635			nm	$I_f = 20 \text{ mA}$
DOMINANT WAVELENGTH	BLUE GREEN RED	470 525 638			nm	$I_f = 20 \text{ mA}$
2 X 1/2 - INTENSITY ANGLE	BLUE GREEN RED	120 120 120			DEGREES	

REFLOW PROFILE FOR
RoHS COMPLIANT PART

RoHS Compliant 592-3535-80XF Bi-level Surface Mount Prism

Part Numbers with the "F" suffix ending are RoHS Compliant.
Example: 592-3535-803F
The bag and reel are marked with "RoHS Compliant"
label or equivalent markings. Parts can be reflow soldered
to the Reflow Profile shown using typical lead-free
soldering process with max 260°C peak temp.

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SCALE: 4:000	DRAWING NUMBER REV
ALL DIM'S IN: (INCHES) (MM)	C-17404 A
TOLERANCES:	UNLESS OTHERWISE SPECIFIED
FRACTIONS: 1/16"	
DECIMALS: 1/8" = .02	TITLE B-LVL PRISM, TRI-COLOR,
THICKNESS: 1/8" = .015	R, G, B/R, G, B, ROHS COMPLIANT
DECIMALS = FRACTIONS: .0005	MATERIAL
ANGLES: .5°	
FINISH:	
Dialight	
FORM XXXX	501 ROUTE 34 SOUTH FAIR HAVEN, CT 06424
SHEET NO. _____ OF _____	DATE: _____ BY: _____