

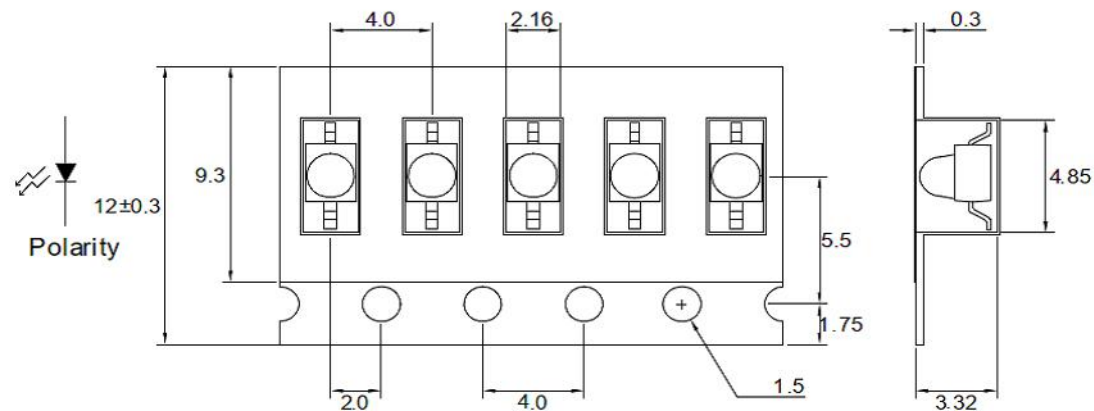
DIALIGHT PART NO.	LED COLOR	LENS COLOR
521-5004F	IR 850	WATER CLEAR
521-5005F	IR 940	WATER CLEAR

NOTES:

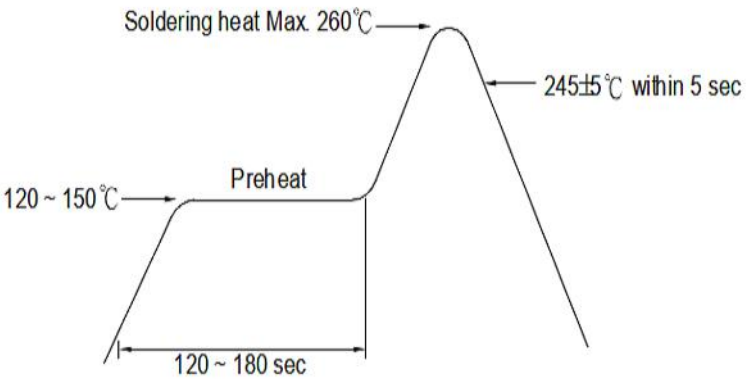
- PARTS ARE TO BE SUPPLIED IN 12mm CARRIER TAPE ON 7" REEL
1500 PCS PER REEL.
- PIN NUMBERS ARE FOR REFERENCE ONLY, DESIGNATION NON-EXISTENT ON PART.
- THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING AND STORAGE IN ACCORDANCE WITH IPC-A-610.
- THIS PRODUCT IS RoHS COMPLIANT. EACH BAG IS TO BE MARKED WITH RoHS COMPLIANT LABEL OR EQUIVALENT MARKINGS. LED MUST BE Pb FREE.
- MOISTURE SENSITIVITY LEVEL IS 1.

REV	ECN NO	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	122228	NEW RELEASE	LD	CS				9-13-24
B	126072	REVISED NOTE 5, MSL WAS 2	LD	CS				1-7-25

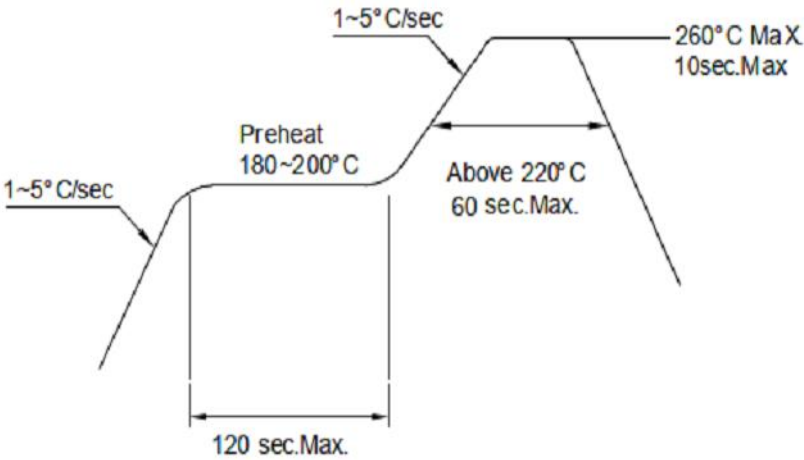
TAPE DIMENSION (mm)



RECOMMENDED WAVE SOLDER PROFILE



RECOMMENDED PB-FREE REFLOW SOLDER PROFILE



ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

*PEAK FORWARD CURRENT : 300PPS,1uS PULSE

ABSOLUTE MAXIMUM RATINGS AT 25°C							
LED COLOR	POWER DISSIPATON (mW)	FORWARD CURRENT (mA)	PEAK FORWARD CURRENT *(A)	REVERSE VOLTAGE (V)	ELECTROSTATIC DISCHARGE (V)	OPERATING TEMPRATURE (°C)	STORAGE TEMPRATURE (°C)
IR 850	100	50	1	5	2000	-40 TO +85	-40 TO +85
IR 940	100	50	3	5	2000	-40 TO +85	-40 TO +85

ELECTRICAL OPTICAL CHARACTERISTICS AT 25°C													
LED COLOR	TEST CONDITION	RADIANT INTENSITY (mW/sr)			RADIANT INCIDENCE (mW/cm ²)			PEAK WAVELENGTH (nm)	SPECTRAL LINE HALF-WIDTH (nm)	FORWARD VOLTAGE (V)		REVERSE CURRENT (uA)	VIEWING ANGLE (DEG)
	I _F (mA)	MIN.	TYP.	MAX.	MIN.	TYP.	MAX.	TYP.	TYP	TYP	MAX.	MAX.	TYP
IR 850	20	5.0	10.0	20.0	0.71	1.42	2.84	850	50	1.2	1.6	100@5V	20
IR 940	20	1.6	5.0	12.0	0.22	0.71	1.71	940	50	1.2	1.6		

LED SCHEMATIC



RECOMMENDED PAD LAYOUT

