

DIALIGHT PART NUMBER	LED COLOR
521-9181F	RED TINTED DIFFUSED
521-9201F	GREEN TINTED NON-DIFFUSED
521-9208F	YELLOW TINTED NON-DIFFUSED

REV	ECN NO	REVISIONS	DRN	CKD	APP	DATE
A	—	NEW RELEASE	KLJ	7.8.	103	3/23/99

RoHS COMPLIANT 521-9181F, -9201F, -9208F

Part Numbers with the "F" suffix ending are RoHS Compliant. 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.

NOTES:

1. ALL UNITS PRINTED WITH "DIALCO" AND PART NUMBER.
2. PARTS PACKAGED 5 PCS PER ANTI-STATIC BAG WITH LABEL INCLUDING "DIALIGHT", DIALIGHT P/N, QTY, AND DATE CODE.
3. THIS ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). MAINTAIN ALL PRECAUTIONARY MEASURES DURING ASSEMBLY, HANDLING, AND STORAGE IN ACCORDANCE WITH IPC-A-610.



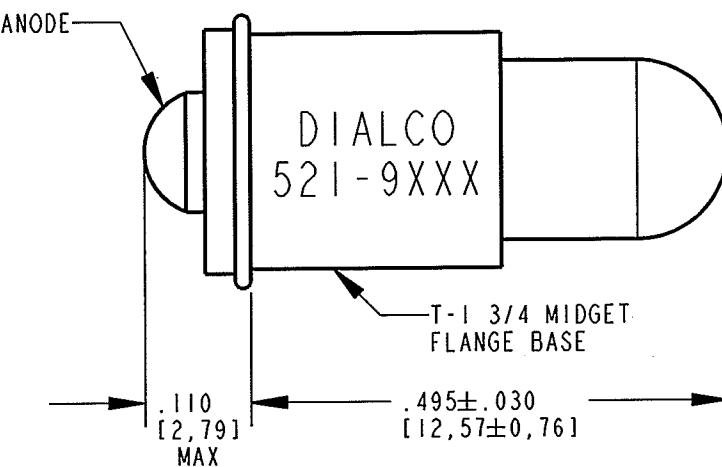
ATTENTION:
OBSERVE PRECAUTIONS FOR
HANDLING ELECTROSTATIC
SENSITIVE DEVICES

OPERATING CHARACTERISTICS AT 25°C AMBIENT

LED COLOR	PEAK WAVELENGTH (nm)	DOMINANT WAVELENGTH (nm)	VIEWING ANGLE (DEG)	LUMINOUS INTENSITY (mcd) @ IF=10mA		FORWARD VOLTAGE (V) @ IF=20mA		REVERSE CURRENT (μA) @ VR=5V
	TYP	TYP	TYP	MIN	TYP	TYP	MAX	MAX
RED	635	623	60	19	60	2.0	2.6	100
GREEN	565	569	30	19	60	2.1	2.6	100
YELLOW	585	588	30	19	60	2.1	2.6	100

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT

ABSOLUTE MAXIMUM RATINGS AT 25°C AMBIENT		LED COLOR			UNITS
CHARACTERISTIC		RED	GREEN	YELLOW	
POWER DISSIPATION		100	100	60	mW
CONTINUOUS FORWARD CURRENT		30	30	20	mA
PEAK FORWARD CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)		120	120	80	mA
DERATING LINEAR FROM 50°C		0.4	0.4	0.25	mA/°C
REVERSE VOLTAGE		5	5	5	V
SOLDERING TEMPERATURE (.063 FROM BODY FOR 5 SEC)		260			°C
OPERATING TEMPERATURE		-55 TO +100			°C
STORAGE TEMPERATURE		-55 TO +100			°C



SCALE 1,000

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SCALE: 5.000	DRAWING NUMBER	REV
ALL DIM'S IN: INCHES (MM)	C-17719	A
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
FRACTIONS: $\pm 1/64$	TITLE T-1 3/4 MIDGET FLANGE LED	
DECIMALS (.XX): ± 0.01	RoHS COMPLIANT	
DECIMALS (.XXX): ± 0.005	MATERIAL	
ANGLES: $\pm 1^\circ$	-	
FINISH:	Dialight oooooooooooo	1501 ROUTE 34 SOUTH FARMINGDALE, NJ 07727
FSCM 83330	SHEET 1 OF 1 FAMILY TABLE:	