SSL-LX5097IGW Datasheet

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DiGi Electronics Part Number	SSL-LX5097IGW-DG
Manufacturer	Lumex Opto/Components Inc.
Manufacturer Product Number	SSL-LX5097IGW
Description	LED GRN/RED DIFFUSED T-1 3/4 T/H
Detailed Description	Green, Red LED Indication - Discrete 2.1V Green, 2.1V Red Radial - 3 Leads

This model SSL-LX5097IGW is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
SSL-LX5097IGW	Lumex Opto/Components Inc.
Series:	Product Status:
-	Active
Color:	Configuration:
Green, Red	Common Cathode
Lens Color:	Lens Transparency:
White	Diffused
Millicandela Rating:	Lens Style:
20mcd Green, 20mcd Red	Round with Domed Top
Lens Size:	Voltage - Forward (Vf) (Typ):
5mm, T-1 3/4	2.1V Green, 2.1V Red
Current - Test:	Viewing Angle:
20mA Green, 20mA Red	60°
Mounting Type:	Wavelength - Dominant:
Through Hole	-
Wavelength - Peak:	Features:
565nm Green, 635nm Red	-
Package / Case:	Supplier Device Package:
Radial - 3 Leads	T-1 3/4
Size / Dimension:	Height (Max):
-	8.60mm
Base Product Number:	
SSL-LX5097	

Environmental & Export classification

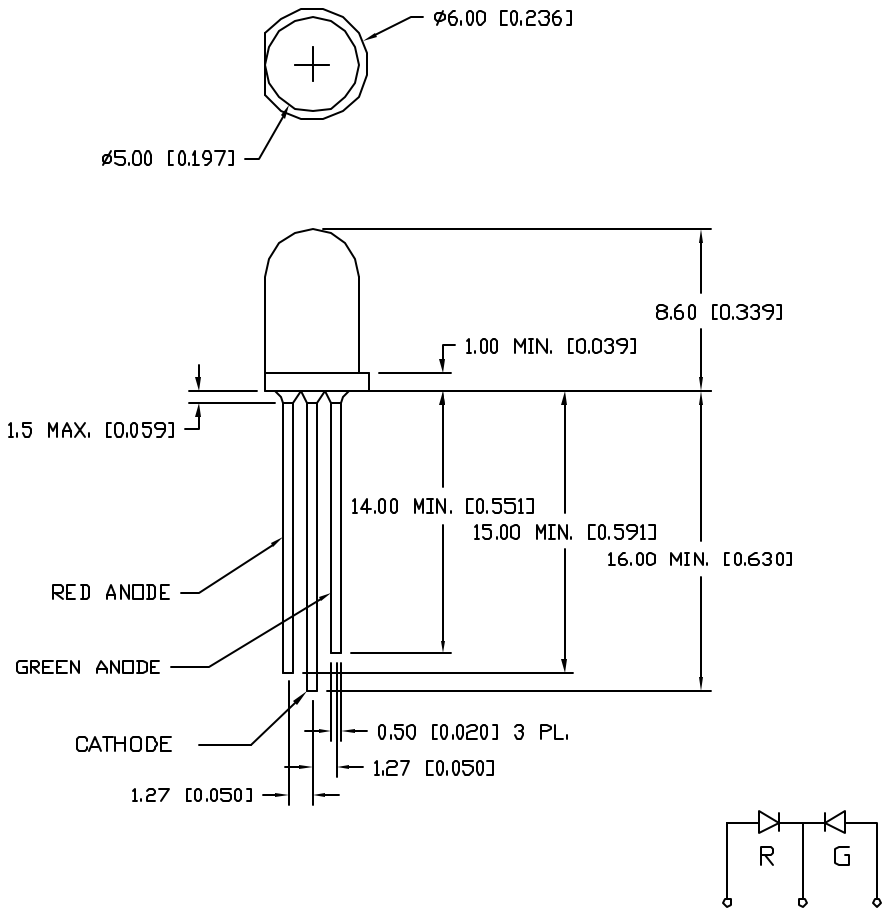
RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	1 (Unlimited)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8541.41.0000	

SSL-LX5097IGW Lumex Opto/Components Inc. LED GRN/RED DIFFUSED T-1 3/4 T/H

DATE	REVISIONS	REV

DRAWING NUMBER
SSL-LX5097IGW

REV



ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25°C$ $I_f = 20mA$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED) 565 (GREEN)		nm nm	
FORWARD VOLTAGE (R/G)		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100uA$
AXIAL INTENSITY (R/G)		20		mcd	$I_f = 20mA$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	RED/GREEN				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/G)	160	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION (R/G)	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP	-40 TO +85	°C
LEAD SOLDERING TEMP 2.0mm FROM BODY	+260	°C 3 SEC. MAX

* t<10uS

RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

LUMEX OPTO COMPONENTS INC.
292 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(708) 359-2790

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DATE: 4-28-96	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5 (T-1 3/4) LED, BICOLOR RED/GREEN,
MILKY WHITE DIFFUSED, .05" LEAD CENTERS, COMMON CATHODE

DRAWING NUMBER
SSL-LX5097IGW

REV

MB/SS

OUR CERTIFICATE

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