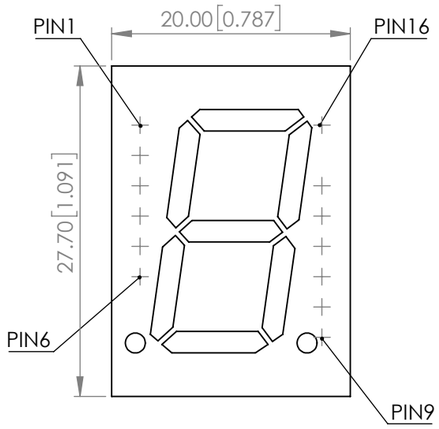
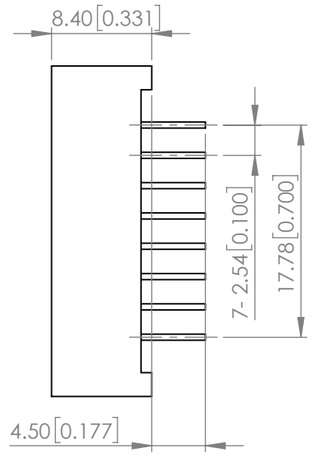
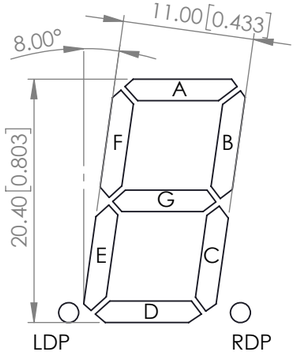
PART NUMBER	LDS-C814RI	REV	C

REV	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N.# 10BRDR. & REDRAWN	04.22.98
B	E.C.N.# 10BRDR. & REDRAWN	11.26.12
C	ECN-Lumex202300060	05.19.23







ELECTRO-OPTICAL CHARACTERISTIC TA=25℃ PER SEGMENT

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	635	-	nm	If=10mA
FORWARD VOLTAGE	-	2.0	2.5	Vf	If=10mA
REVERSE CURRENT	-	-	100	uA	V_R=5V
LUMINOUS INTENSITY	-	4000	-	ucd	If=10mA
EMITTED COLOR	RED				
FONT COLOR	GRAY				
SEGMENT COLOR	MILKY WHITE DIFFUSED				

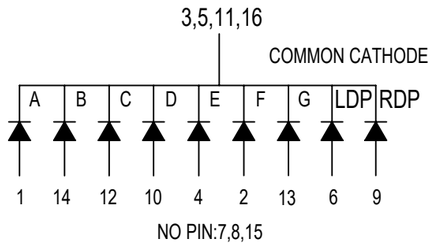
ABSOLUTE MAXIMUM RATINGS TA=25℃ PER SEGMENT

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
FORWARD CURRENT	25	mA
POWER DISSIPATION	65	mW
REVERSE VOLTAGE	5	V
STORAGE TEMPERATURE	-35 TO +85	℃
OPERATING TEMPERATURE	-35 TO +85	℃
SOLDERING TEMPERATURE**	3 SEC MAX. @ 260	℃

***** DUTY 1/10 @10KHz

**** AT 2mm DISTANCE FROM THE CASE OF REFLECTOR EDGE.**

CIRCUIT DIAGRAM



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

LUMEX
Creating LED and LCD Solutions Together
425 N. GARY AVE.
CAROL STREAM, IL 60188
PHONE : 800-278-5666
FAX : 630-315-2150
WEB : WWW.LUMEX.COM

0.8" SINGLE DIGIT, SEVEN SEGMENT LED DISPLAY, 635nm RED CHIPS, GRAY FACE WITH WHITE SEGMENTS, COMMON CATHODE.

****THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.****

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE : 2023.05.19	DRAWN BY : E.C.
PAGE : 1 OF 1	CHKD BY : T.S.
SCALE : NTF	APRVD BY : G.Y.
UNIT : mm [INCH]	Pb

Downloaded from Arrow.com.