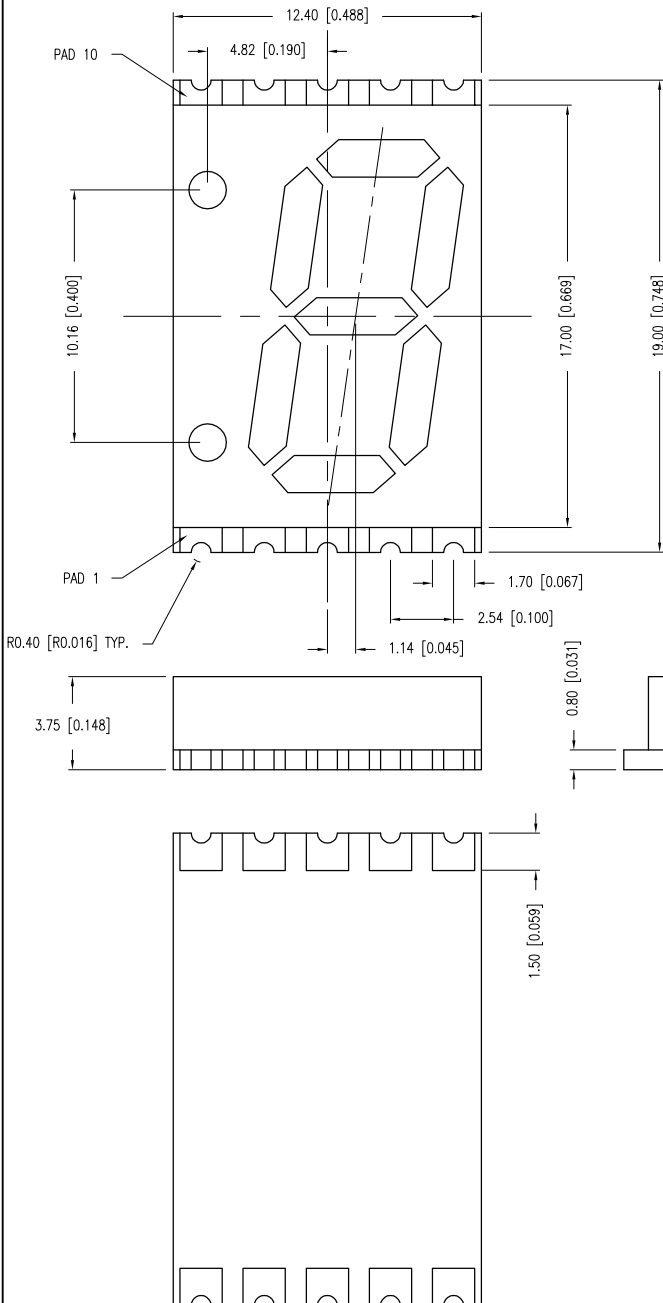
ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	625	635	636	nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY	40000	44000	48000	ucd	$I_f = 10\text{mA}$
EMITTED COLOR:	RED				
FACE COLOR:	GRAY				
EPOXY LENS FINISH:	WHITE DIFFUSED				

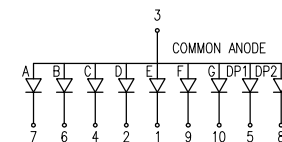
LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	62.5	mW
CURRENT DERATE $T_a \geq 25^\circ\text{C}$	0.30	mA/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +95	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +95	$^\circ\text{C}$

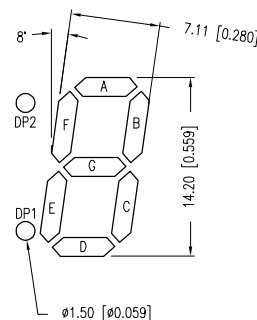
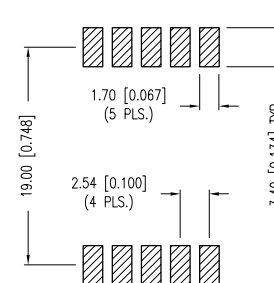
* $t < 10\mu\text{s}$ CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2A STANDARDS

NOTES:

1. LED DIE # LXP-RS905KT. ANY CHANGES TO MATERIAL PROCESS ETC WILL COMPLY TO THE LATEST AVAILABLE REVISION OF THE WATLOW SUPPLIER REQUIREMENTS MANUAL, MAN-7.4.03.

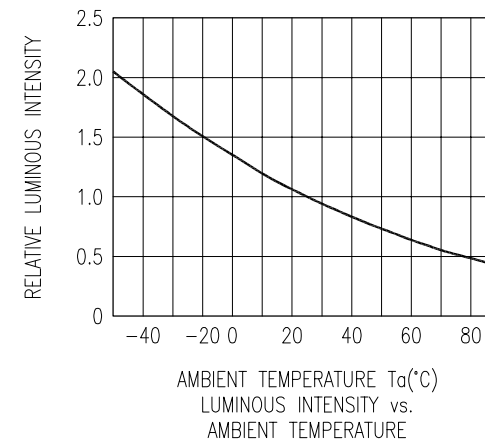
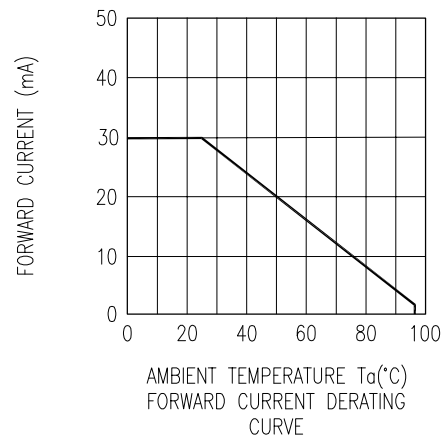
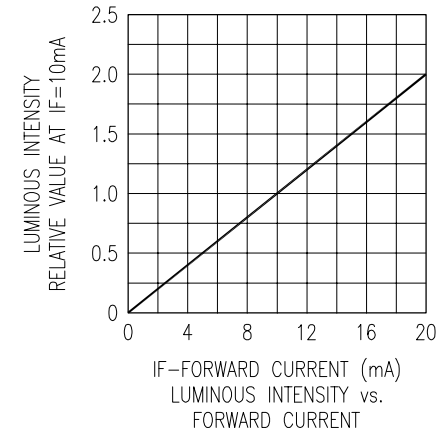
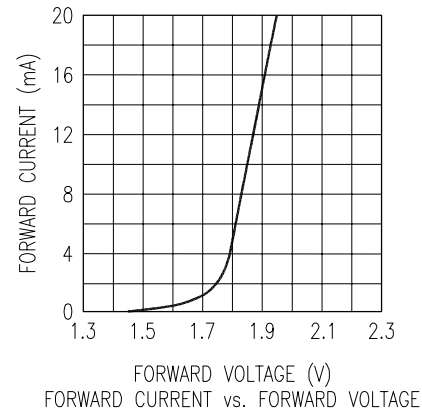


RECOMMENDED SOLDER PAD LAYOUT



*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.= $^{+0.000}_{-0.000}$ DECIMAL PRECISION MAX.= $^{+0.000}_{-0.000}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



*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.=^{+DECIMAL PRECISION}_{-0.00} MAX.=^{+0.00}_{-DECIMAL PRECISION}

UNCONTROLLED DOCUMENT



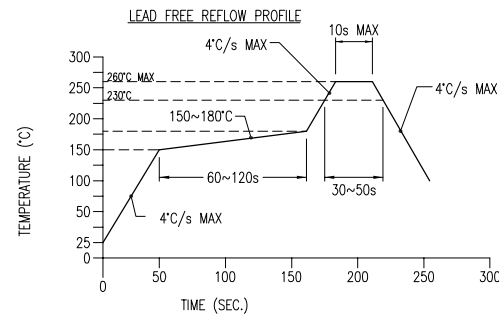
290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

.56" CUSTOM SMD LED DISPLAY, SINGLE DIGIT, 636nm RED AlInGaP, GRAY FACE, WHITE SEGMENTS, 1K PER REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

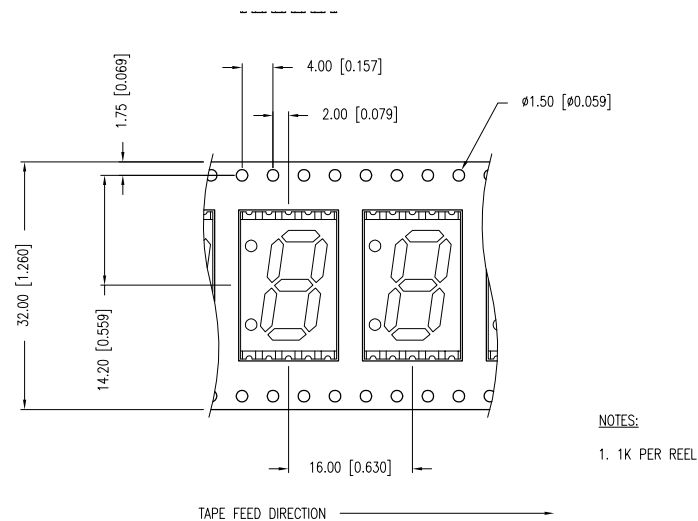
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DATE:	01.31.11	DRAWN BY:	AB
PAGE:	2 OF 3	CHKD BY:	--
SCALE:	NTS	APRVD BY:	YA
UNIT:	mm [INCH]		Ⓟ



NOTES:

1. RECOMMENDED REFLOW TEMPERATURE OF 245°C(±5°). THE MAXIMUM SOLDERING TEMPERATURE SHOULD BE LIMITED TO 260°C.
2. PLEASE DO NOT CAUSE STRESS TO THE EPOXY RESIN WHILE IT IS EXPOSED TO HIGH TEMPERATURE. NUMBER OF REFLOW PROCESS SHALL BE 2 TIMES OR LESS.



*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.= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX.= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

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