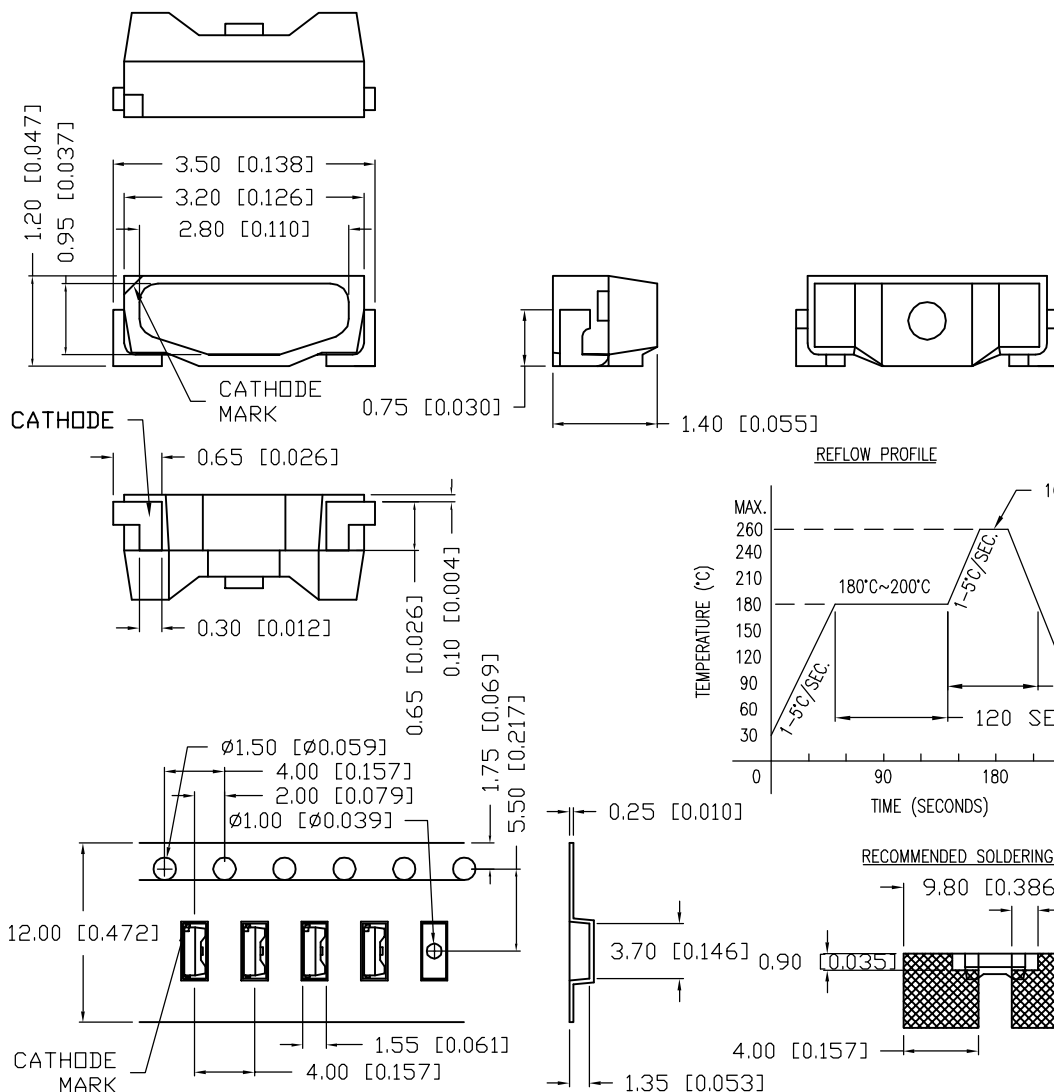
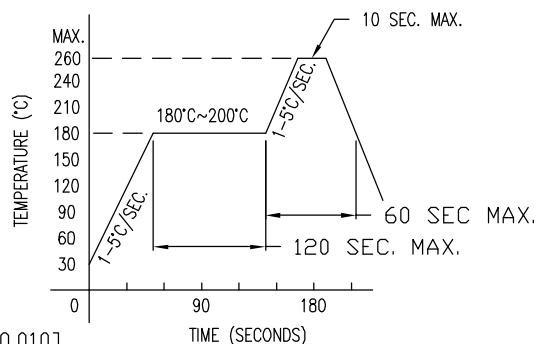


SML-LXR3512UWC-TR

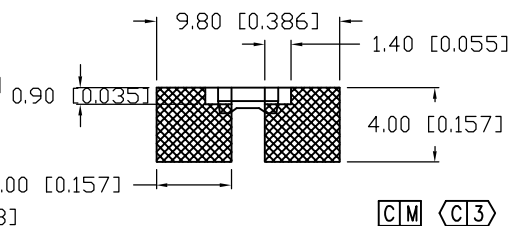
PRELIMINARY IN P/N DIR



REFLOW PROFILE



RECOMMENDED SOLDERING PAD DESIGN



ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	TYP.	MAX	UNIT
FORWARD VOLTAGE	VF	IF=20[mA]	3.2	3.5	V
LUMINOUS INTENSITY (CHROMATICITY COORDINATE 1)	IV	IF=20[mA]	(1500)	-	mcd
CHROMATICITY COORDINATE 1*	X	IF=20[mA]	0.31	-	-
	Y	IF=20[mA]	0.32	-	-
LUMINOUS INTENSITY (CHROMATICITY COORDINATE 2)	IV	IF=20[mA]	(1400)	-	mcd
CHROMATICITY COORDINATE 2*	X	IF=20[mA]	0.28	-	-
	Y	IF=20[mA]	0.27	-	-

* PLEASE REFER TO CIE 1931 CHROMATICITY DIAGRAM.

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	ABSOLUTE MAXIMUM RATING	UNIT
FORWARD CURRENT	IF	35	mA
PULSE FORWARD CURRENT	IFP	100	mA
ALLOWABLE REVERSE CURRENT	IR	85	mA
POWER DISSIPATION	PD	123	mW
OPERATING TEMPERATURE	Topr	-40~+110	°C
STORAGE TEMPERATURE	Tstg	-40~+110	°C
DICE TEMPERATURE	Tj	125	°C
SOLDERING TEMPERATURE	Tsld	REFLOW SOLDERING: 260°C FOR 10 SEC. HAND SOLDERING: 350°C FOR 3 SEC.	

IFP CONDITIONS : PULSE WIDTH ≤ 10msec. AND DUTY ≤ 1/10.

*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

REV.

PART NUMBER

SML-LXR3512UWC-TR

3.50mm x 1.2mm SMT LED, WHITE, RIGHT ANGLE MOUNT,
-40°C TO +110°C OPERATING TEMP, 3K/REEL.

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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.

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JN			PAGE: 1 OF 2
			SCALE: N/A