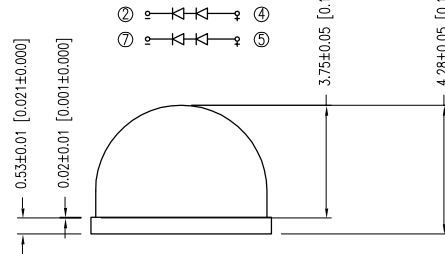
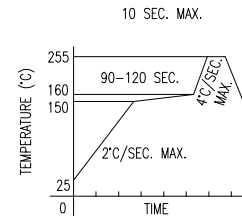


CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 1 STANDARDS

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=700\text{mA}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE	V_f	6.00		8.00	V	$I_f=700\text{mA}$
REVERSE VOLTAGE	V_r	5.0			V	$I_r=10\mu\text{A}$
LUMINOUS FLUX	I_v	375		400	lm	$I_f=700\text{mA}$
COLOR TEMPERATURE		4745	5700	7050	K	
CRI			75			
VIEWING ANGLE			105		2x theta	
EMITTED COLOR:	COOL WHITE					
EPOXY LENS FINISH:	WATER CLEAR LENS					

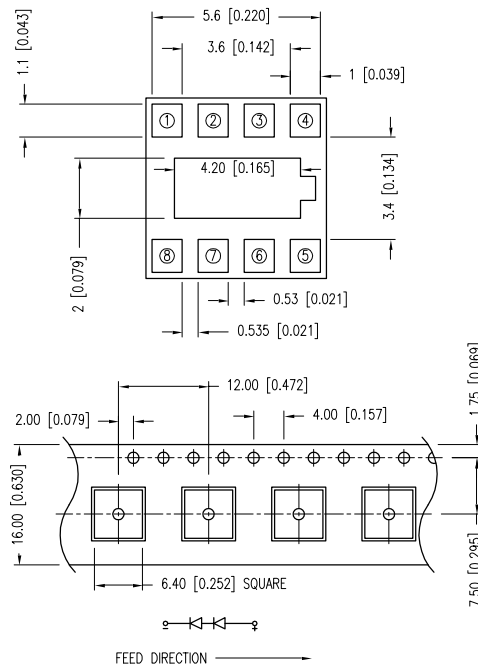
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT	1400	mA
STEADY CURRENT	800	mA
POWER DISSIPATION	2.0	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +90	°C
STORAGE TEMP.	-40 TO +100	°C

THERMAL PARAMETERS

PARAMETER	MAX	UNITS
JUNCTION TEMPERATURE	125	°C
THERMAL RESISTANCE	6	°C/W

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= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION



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5W, COOL WHITE SMT LED, 375lm, 5700K.

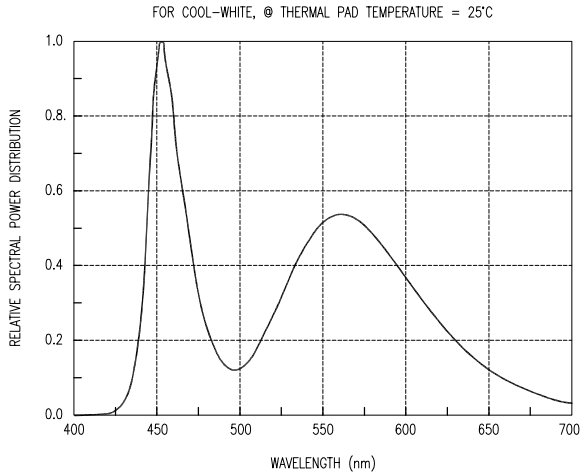
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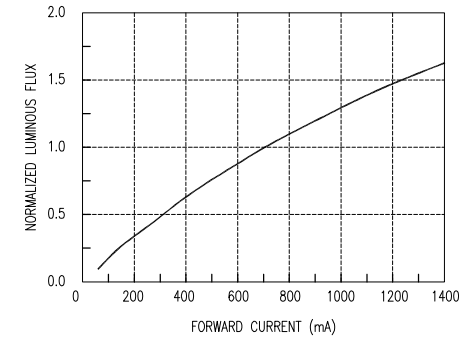
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UNCONTROLLED DOCUMENT

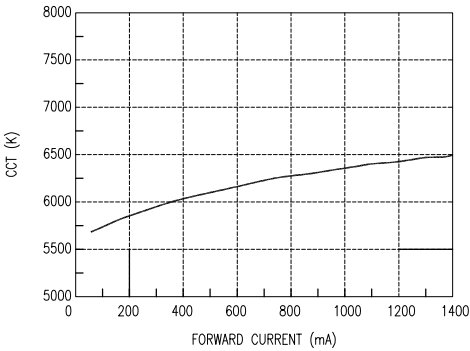
WAVELENGTH CHARACTERISTICS



TYPICAL LUMINOUS FLUX vs. FORWARD CURRENT
FOR COOL-WHITE, NEUTRAL-WHITE, WARM-WHITE @ THERMAL PAD TEMPERATURE = 25°C

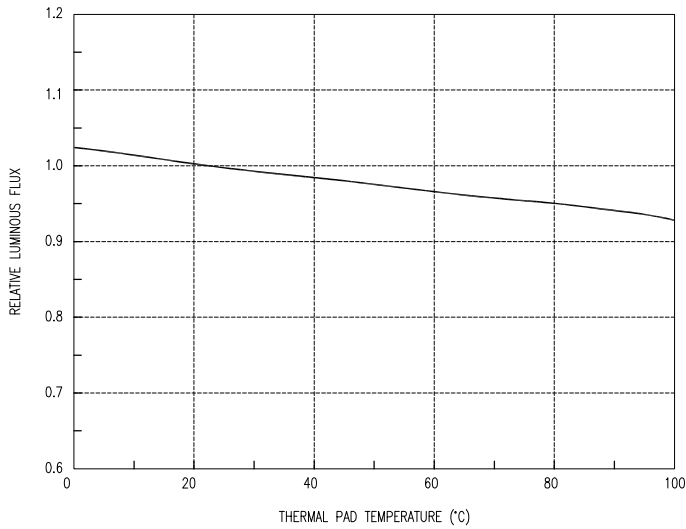


TYPICAL WAVELENGTH & CCT SHIFT CHARACTERISTICS vs. FORWARD CURRENT
FOR COOL-WHITE @ THERMAL PAD TEMPERATURE = 25°C



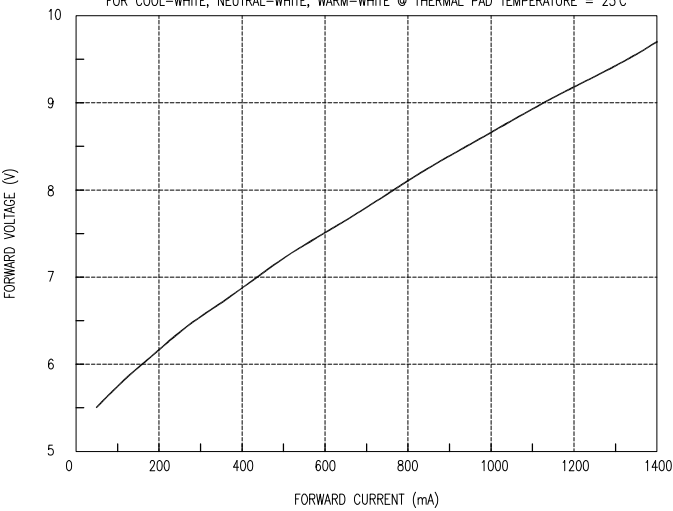
TYPICAL LIGHT OUTPUT CHARACTERISTIC vs. THERMAL PAD TEMPERATURE

COOL-WHITE, NEUTRAL-WHITE, WARM-WHITE FOR 700mA DRIVE CURRENT



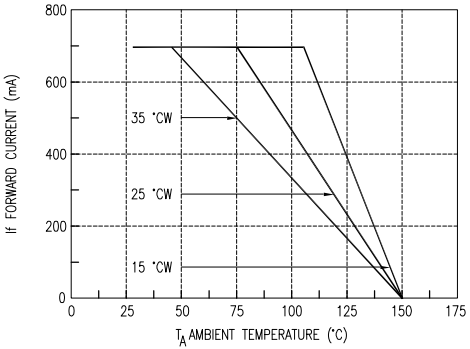
TYPICAL ELECTRICAL CHARACTERISTICS

FOR COOL-WHITE, NEUTRAL-WHITE, WARM-WHITE @ THERMAL PAD TEMPERATURE = 25°C



CURRENT DERATING CURVES

CURRENT DERATING CURVE FOR 700mA DRIVE CURRENT
COOL-WHITE, NEUTRAL WHITE, WARM-WHITE



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