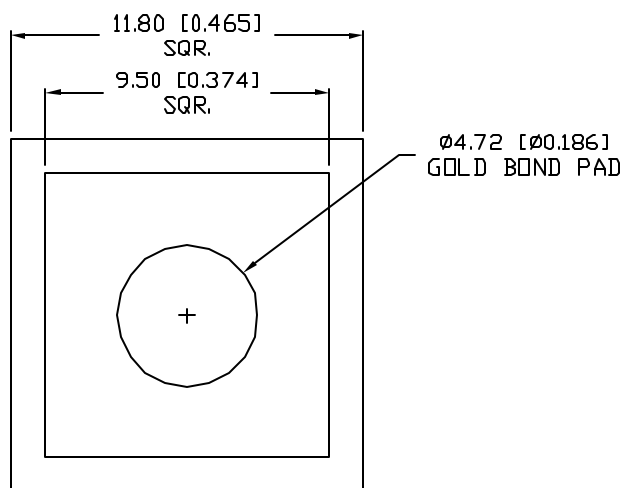
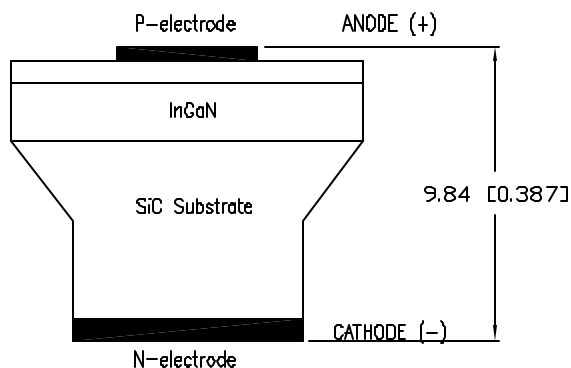




ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL	TEST COND	MIN	TYP	MAX	UNITS
FORWARD VOLTAGE	V_{f2}	$I_f=20\text{mA}$		3.5	3.9	V
REVERSE CURRENT	I_r	$V_r=5\text{V}$			10	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$		468		nm
DOMINANT WAVELENGTH ⁽¹⁾	λ_d	$I_f=20\text{mA}$	465	470	475	nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	$I_f=20\text{mA}$		26		nm
FLUX	Φ_v	$I_f=20\text{mA}$		440		mlm

(1) Wavelength uniformity is $\lambda_d \pm 5\text{nm}$.

NOTE:

UNITS: mil

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

*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

SSD-LX012E470FGGPU

InGaN ULTRA SUPER BLUE LED CHIP.

CONFIDENTIAL INFORMATION

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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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DATE: 1.9.03

PAGE: 1 OF 1

SCALE: N/A