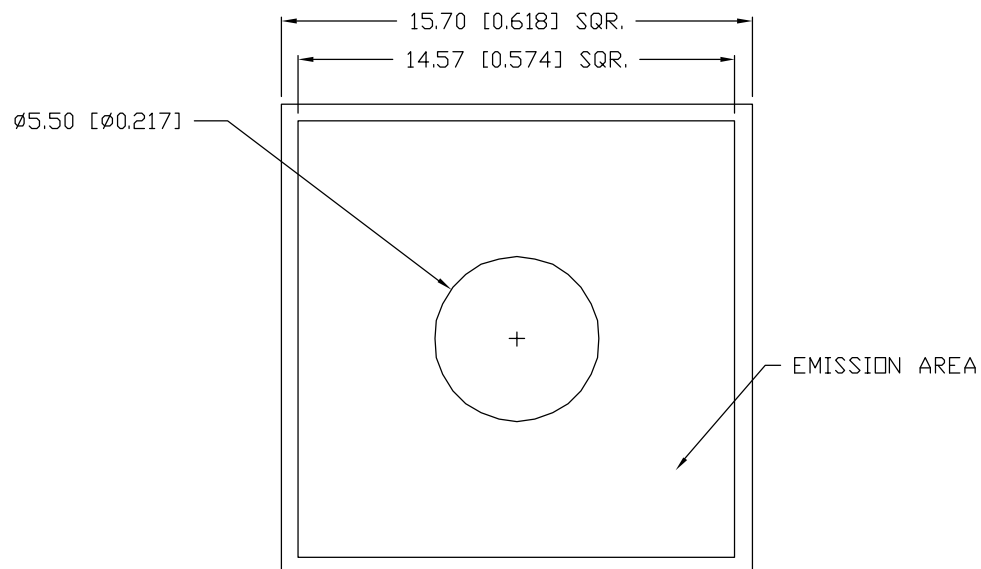


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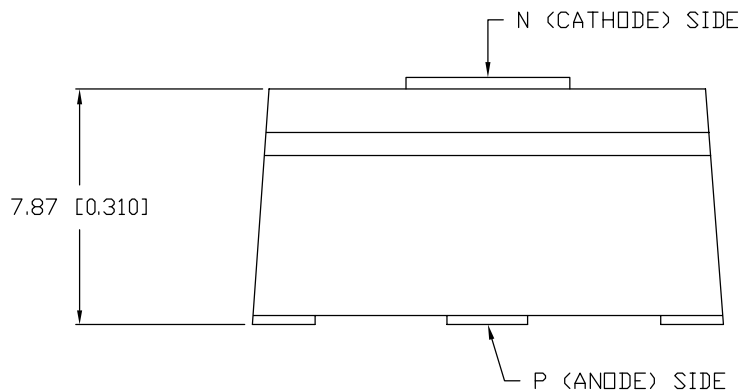
SSD-LX016E890SGNU

REV.



ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL	TEST COND	MIN	TYP	MAX	UNITS
FORWARD VOLTAGE	V_f	$I_f=20\text{mA}$		1.33	1.45	V
REVERSE CURRENT	I_r	$V_r=5\text{V}$			10	μA
PEAK WAVELENGTH	λ_p	$I_f=20\text{mA}$		890		nm
SPECTRA HALF-WIDTH	$\Delta\lambda$	$I_f=20\text{mA}$		80		nm
RADIANT POWER	P_o	$I_f=20\text{mA}$		3.5		mW
OPTICAL RISE TIME	T_r	$I_f=20\text{mA}$		500		ns
OPTICAL FALL TIME	T_f	$I_f=20\text{mA}$		1000		ns



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

NOTES:

1. UNITS: mil
2. WIRE BOND METALLIZATION: GOLD.
3. P SIDE UP ON WAFER.

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890nm IR CHIP.

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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: 5.21.04

PAGE: 1 OF 1

SCALE: N/A