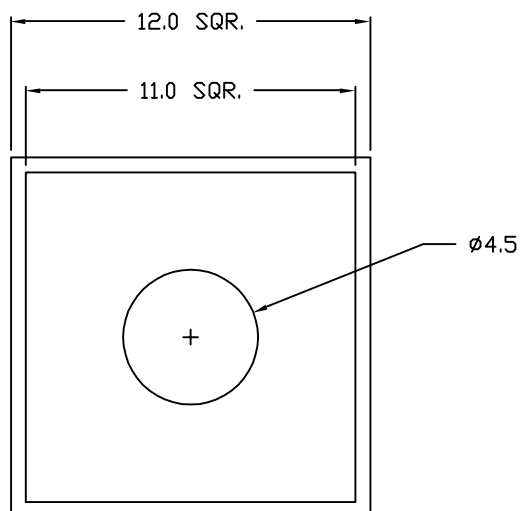


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PART NUMBER

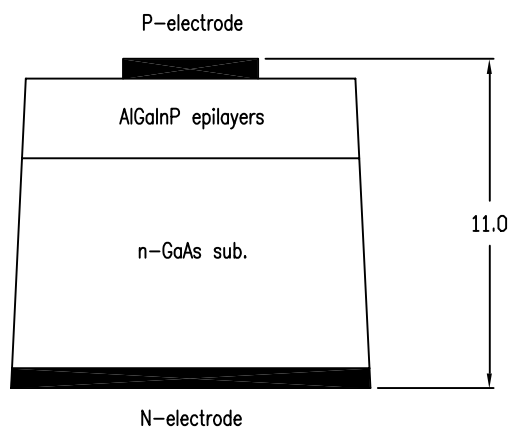
SSD-LX012E589FXX

REV.



ELECTRO-OPTICAL CHARACTERISTICS:

PARAMETER	SYMBOL		TEST COND	MIN	TYP	MAX	UNIT
FORWARD VOLTAGE		V_{f1}	$I_f=10\mu A$	1.35			V
		V_{f2}	$I_f=20mA$		2.0	2.4	V
REVERSE CURRENT		I_r	$V_r=10V$			100	μA
PEAK WAVELENGTH		λ_p	$I_f=20mA$		591		nm
DOMINANT WAVELENGTH ⁽¹⁾		λ_d	$I_f=20mA$	584	589	594	nm
SPECTRA HALF-WIDTH		$\Delta\lambda$	$I_f=20mA$		15		nm
LUMINOUS INTENSITY ⁽²⁾	I_v	A4	$I_f=20mA$	50	$I_v(ave.)^{(2)}\geq 60$		mcd
		60		$I_v(ave.)^{(2)}\geq 75$			
		75		$I_v(ave.)^{(2)}\geq 100$			

(1) Basically, wavelength uniformity is $\lambda_d \pm 5nm$.(2) $I_v(ave.)$ is the average luminous intensity of overall qualified chips from individual epiwafer.

NOTE:

UNITS: mil

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

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REV.

PART NUMBER

SSD-LX012E589FXX

AlInGaP SUPER YELLOW LED 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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PAGE: 1 OF 1

SCALE: N/A