



IR Emitter and Detector Product Data Sheet

LTE-3279K

Spec No.: DS-50-99-0008

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Revision: B

LITE-ON DCC

RELEASE

BNS-OD-FC001/A4

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ABSOLUTE MAXIMUM RATINGS AT TA=25°C

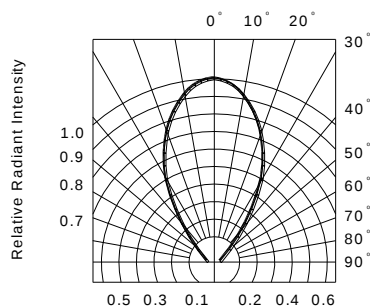
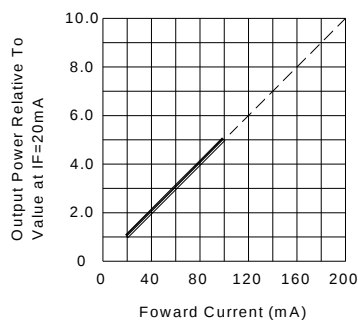
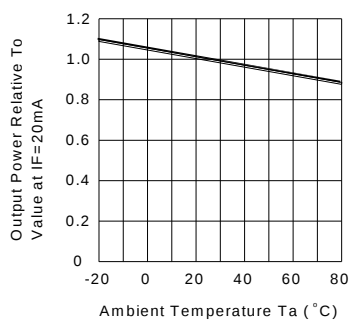
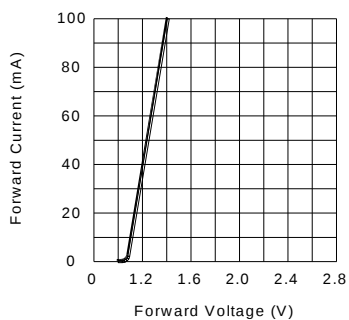
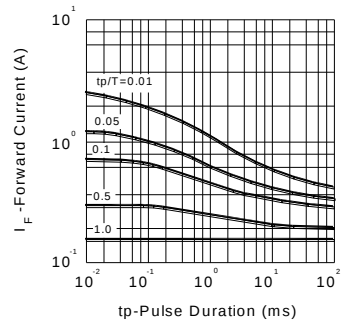
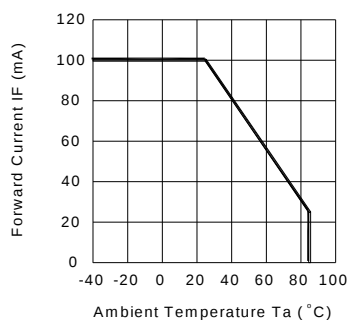
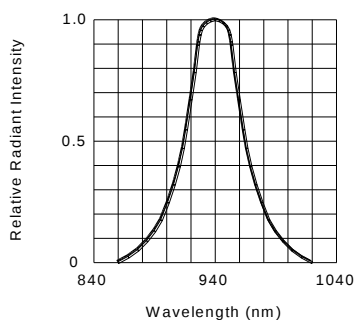
PARAMETER	MAXIMUM RATING	UNIT
Power Dissipation	150	mW
Peak Forward Current (300pps, 10 μ s pulse)	2	A
Continuous Forward Current	100	mA
Reverse Voltage	5	V
Operating Temperature Range	-40°C to + 85°C	
Storage Temperature Range	-55°C to + 100°C	
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds	

ELECTRICAL OPTICAL CHARACTERISTICS AT TA=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION	Remark
Radiant Intensity	I_E	35	50		mW/sr	$I_F = 100\text{mA}$	
Peak Emission Wavelength	λ_P		940		nm	$I_F = 100\text{mA}$	
Spectral Line Half-Width	$\Delta \lambda$		50		nm	$I_F = 100\text{mA}$	
Forward Voltage	V_F		1.4	1.8	V	$I_F = 100\text{Ma}$	
Reverse Current	I_R			100	μ A	$V_R = 5\text{V}$	
Viewing Angle (See FIG.6)	$2\theta_{1/2}$		60		deg.		

TYPICAL ELECTRICAL / OPTICAL CHARACTERISTICS CURVES

(25°C Ambient Temperature Unless Otherwise Noted)



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