

EMITTER I

Part No.: E12LY9C

Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	IF	----	----	350	mA
Peak Pulse Current	Ipeak	Duty=0.1mS, 1kHz	----	500	mA
Power Dissipation	Pd	----	----	0.98	W
LED Junction Temperature	Tj	----		120	°C
Operating Temperature	Topr	----	-25	+100	°C
Storage Temperature	Tstr	----	-40	+120	°C
ESD Sensitivity	---	HBM	8000	---	V
Soldering Temperature	---	-----	260°C for 5 Seconds max		

Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	VF	IF = 350mA	----	2.5	2.8	V
Luminous Flux	Φv	IF = 350mA	5	10	15	lm
Viewing Angle	2 θ 1/2	IF = 350mA	----	120	----	Deg.
Dominant Wavelength	λ d	IF = 350mA	590	----	595	nm

Luminous Flux Bins (Ta = 25°C)

Unit:lm

Bin	B	C	D	E	F	G
Min	5	10	15	20	25	30
Max	10	15	20	25	30	40

Dominant Wavelength- λ d (Ta = 25°C)

Unit: nm

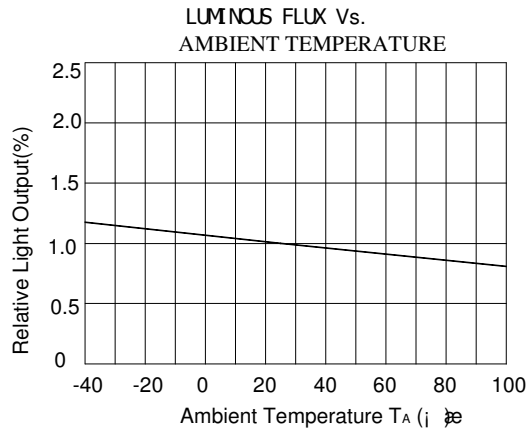
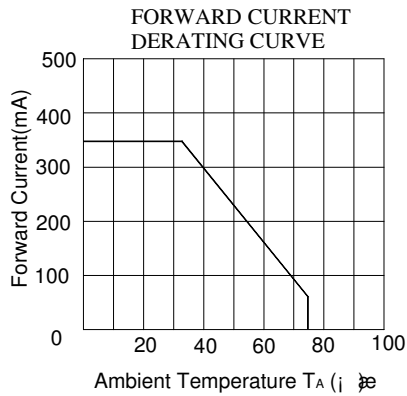
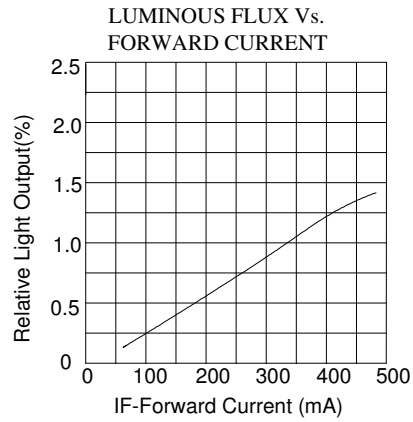
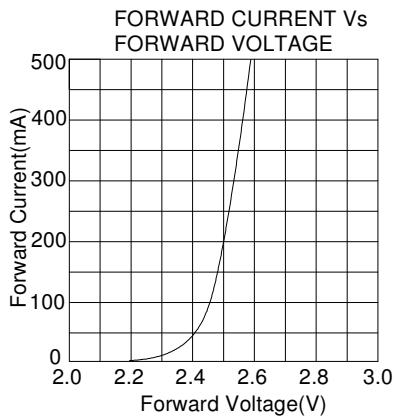
Bin	Q	R	S	T		
Min	580	585	590	595		
Max	585	590	595	600		



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Typical electrical/optical characteristic curves:



592/35

