Specification Document No.: REV.A

φ5 -AlGaInP/Si IR-LED Specification

22/12/01

Item	Model	Absolute Maximum Rating						Electrical-Optical Characteristics (TYP)						
		Forward Current	Reverse Voltage	PulseForward Current(*)	Power Dissipation	Operating Temp.	Storage Temp.	Forward Voltage	Reverse Current(*)	Output Power	Radiant Intensity	Peak Wavelength	LineHalf-width	Angle(Ref.)
		IF(mA)	VR(V)	IFP(mA)	PD(mW)	Topr(℃)	Tstg(℃)	VF(TYP)(V)	IR(MAX)(μA)	Po(mW)	Ie(mW/sr)	λp(nm)	Δλ(nm)	2θ1/2
φ5mmLED (5A05-F3)	IR709JA-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(15)	(130)	700	28	10
	IR709JC-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(30)	(280)	705	28	10
	IR719JE-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(30)	(180)	710	28	10
	IR719JG-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(30)	(220)	715	28	10
	IR729JI-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(30)	(220)	720	28	10
	IR729JK-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(30)	(250)	725	28	10
	IR739JM-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(30)	(210)	730	28	10
	IR739JO-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(20)	(180)	735	28	10
	IR749JQ-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(20)	(190)	740	28	10
	IR749JS-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(20)	(200)	745	28	10
	IR759KA-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	-	-	750	28	10
	IR759KC-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(20)	(150)	755	28	10
	IR769KE-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(20)	(160)	760	28	10
	IR769KG-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(20)	(180)	765	28	10
	IR779KI-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(20)	(190)	770	28	10
	IR779KK-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(20)	(140)	775	28	10
	IR789KM-5A05-F3	100	10	500	220	-30～85	-30～100	1.9	5	(30)	(220)	780	28	10
Condition		(*)Pulse condition: Pw≦10μsec、Duty≦1/100						Measurement condition: IF=50mA、(*)Reverse Current: VR=10V						

Remark:

・Output Power/Radiant Intensity: ( ) are tentative data, [-] are undecided.