

φ3 -AlGaInP/Si IR-LED Specification

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(°C)	Tstg(°C)	VF(TYP)(V)	IR(MAX)(μA)	Po(mW)	Ie(mW/sr)	λp(nm)	Δλ(nm)	2θ1/2	
φ 3mmLED (3A02-B7)	IR709JA-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(15)	(70)	700	28	10	
	IR709JC-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(200)	705	28	10	
	IR719JE-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(230)	710	28	10	
	IR719JG-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(210)	715	28	10	
	IR729JI-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(160)	720	28	10	
	IR729JK-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(200)	725	28	10	
	IR739JM-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(180)	730	28	10	
	IR739JO-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(130)	735	28	10	
	IR749JQ-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	740	28	10	
	IR749JS-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	745	28	10	
	IR759KA-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	-	-	750	28	10	
	IR759KC-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(140)	755	28	10	
	IR769KE-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(130)	760	28	10	
	IR769KG-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(170)	765	28	10	
	IR779KI-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	770	28	10	
	IR779KK-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(140)	775	28	10	
IR789KM-3A02-B7	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(190)	780	28	10		
Condition		(*)Pulse condition: Pw ≤ 10 μ sec、Duty ≤ 1/100						Measurement condition: IF=50mA、(*)Reverse Current: VR=10V							

Remark:

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