

φ5 -AlGaAs IR-LED Specification

Item	Model	Absolute Maximum Rating						Electrical-Optical Characteristics (TYP)						
		Forward Current	Reverse Voltage	Pulse Forward Current(*)	Power Dissipation	Operating Temp.	Storage Temp.	Forward Voltage	Reverse Current(*)	Output Power	Radiant Intensity	Peak Wavelength	Line Half-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)	2θ 1/2
φ5mmLED (5A06-F3)	IR809IA-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(60)	800	28	45
	IR809IC-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(40)	805	28	45
	IR819IE-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(40)	810	28	45
	IR819IG-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	815	28	45
	IR829II-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(40)	820	28	45
	IR829IK-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(40)	825	28	45
	IR839IM-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(40)	830	28	45
	IR839IO-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(40)	835	28	45
	IR849IQ-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(50)	840	28	45
	IR849IS-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(70)	845	28	45
	IR859FA-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(60)	850	28	45
	IR859FC-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	855	28	45
	IR869FE-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(50)	860	28	45
	IR869FG-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(60)	865	28	45
	IR919ME-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(60)	910	28	45
	IR919MG-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(50)	915	28	45
	IR939MM-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(50)	930	28	45
	IR939MO-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(50)	935	28	45
	IR949MQ-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(50)	940	28	45
	IR949MS-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(50)	945	28	45
IR959QA-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	(30)	(60)	950	28	45	
IR959QC-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	955	28	45	
IR969QE-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	960	28	45	
IR969QG-5A06-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	965	28	45	
IR979QI-5A06-F3	100	10	500	220	-30~86	-30~100	1.9	5	(30)	(60)	970	28	45	
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.