

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)	2θ1/2
φ5mmLED (5A05-F3)	IR809IA-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(160)	800	28	10
	IR809IC-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	805	28	10
	IR819IE-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	810	28	10
	IR819IG-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	815	28	10
	IR829II-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	820	28	10
	IR829IK-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(140)	825	28	10
	IR839IM-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(160)	830	28	10
	IR839IO-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(170)	835	28	10
	IR849IQ-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(160)	840	28	10
	IR849IS-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(200)	845	28	10
	IR859FA-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(190)	850	28	10
	IR859FC-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	855	28	10
	IR869FE-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(190)	860	28	10
	IR869FG-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(190)	865	28	10
	IR919ME-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(160)	910	28	10
	IR919MG-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(160)	915	28	10
	IR939MM-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(170)	930	28	10
	IR939MO-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(140)	935	28	10
	IR949MQ-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	940	28	10
	IR949MS-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	945	28	10
	IR959QA-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	(20)	(150)	950	28	10
IR959QC-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	955	28	10	
IR969QE-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	960	28	10	
IR969QG-5A05-F3	100	10	500	220	-30~85	-30~100	1.9	5	-	-	965	28	10	
IR979QI-5A05-F3	100	10	500	220	-30~86	-30~100	1.9	5	(20)	(150)	970	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.														