

AlGaAs High Speed Infrared Emitter HIRL5040

High power infrared LED in 5mm T1 3/4 water clear plastic package suitable for most remote control applications.



Technical characteristics	
V_F (max.) HIRL5010 HIRL5020/5040	2V 1.7V
V_R (max.)	5V
I_F (max.)	100mA
Radiant power at I_F=50mA HIRL5010 HIRL5020 HIRL5040	100mW/sr 60mW/sr 40mW/sr
Power dissipation HIRL5010 HIRL5020/5040	200mW 170mW
Peak wavelength HIRL5010 HIRL5020 HIRL5040	850nm 940nm 940nm
Beam angle HIRL5010 HIRL5020 HIRL5040	12° 40° 60°
Rise time HIRL5010 HIRL5020 HIRL5040	30ns 700ns 80ns
Fall time HIRL5010 HIRL5020 HIRL5040	15ns 500ns 180ns
Operating temp.	-25°C to +80°C