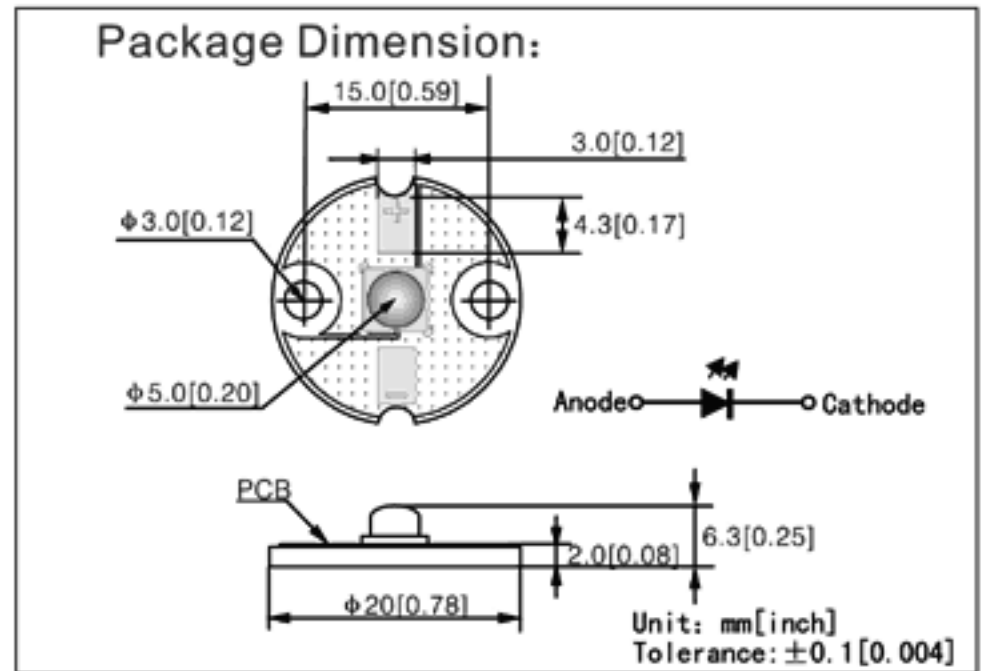
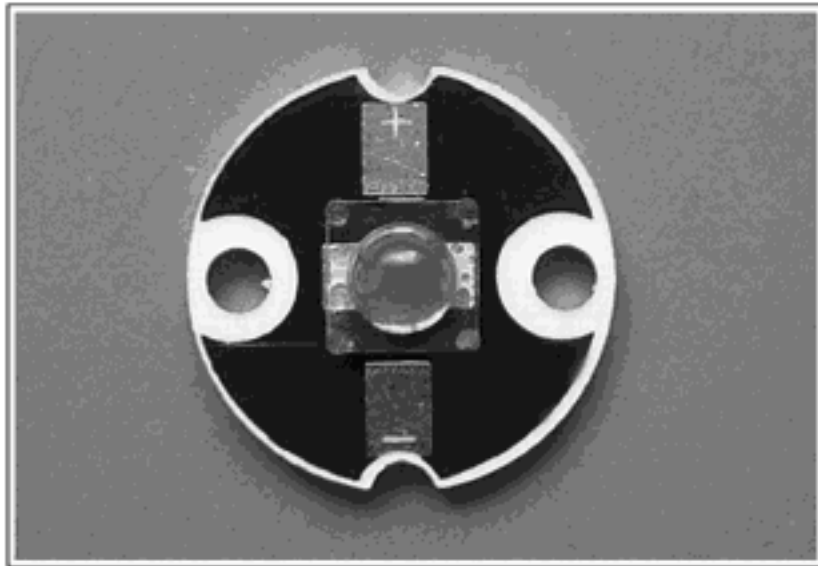


# ROITHNER LASERTECHNIK

## Round 20 High Power LED



Part Number	Chip Material	Emitting Color	Lens Type	Forward Voltage $V_f$ (V)		Dominant Wavelength $\lambda_d$ (nm)		Luminous Flux (lm)	Reverse Current $I_r$ ( $\mu$ A) AT $V_r=5V$	Viewing $2\theta$ 1/2 ( $^\circ$ )		
				Working Current : $I_f=350mA$							Typ.	
				Min.	Max.	Min.	Max.					
C20A1-HW-30(-S)	InGaN	White(Warm White)	Water Clear	3.2	4.0	---	---	16	<100	30		
C20A1-HW-60(-S)	InGaN	White(Warm White)	Water Clear	3.2	4.0	---	---		<100	60		
C20A1-HW-120(-S)	InGaN	White(Warm White)	Water Clear	3.2	4.0	---	---		<100	120		
C20A1-HB-30	InGaN	Blue	Water Clear	3.2	4.0	460	470	4.5	<100	30		
C20A1-HB-60	InGaN	Blue	Water Clear	3.2	4.0	460	470		<100	60		
C20A1-HB-120	InGaN	Blue	Water Clear	3.2	4.0	460	470		<100	120		
C20A1-HC-30	InGaN	Blue Green	Water Clear	3.2	4.0	500	510	10	<100	30		
C20A1-HC-60	InGaN	Blue Green	Water Clear	3.2	4.0	500	510		<100	60		
C20A1-HC-120	InGaN	Blue Green	Water Clear	3.2	4.0	500	510		<100	120		
C20A1-HG-30	InGaN	Pure Green	Water Clear	3.2	4.0	515	525	10	<100	30		
C20A1-HG-60	InGaN	Pure Green	Water Clear	3.2	4.0	515	525		<100	60		
C20A1-HG-120	InGaN	Pure Green	Water Clear	3.2	4.0	515	525		<100	120		
C20A1-HY-30	AlGaInP	Yellow	Water Clear	2.0	2.8	585	595	10	<100	30		
C20A1-HY-60	AlGaInP	Yellow	Water Clear	2.0	2.8	585	595		<100	60		
C20A1-HY-120	AlGaInP	Yellow	Water Clear	2.0	2.8	585	595		<100	120		
C20A1-HR-30	AlGaInP	Red	Water Clear	2.0	2.8	625	635	8	<100	30		
C20A1-HR-60	AlGaInP	Red	Water Clear	2.0	2.8	625	635		<100	60		
C20A1-HR-120	AlGaInP	Red	Water Clear	2.0	2.8	625	635		<100	120		
C20A1-H850-30	AlGaAs	Infrared	Water Clear	1.5	2.5	845	855	65(mw)	<100	30		
C20A1-H850-60	AlGaAs	Infrared	Water Clear	1.5	2.5	845	855	45(mw)	<100	60		
C20A1-H850-120	AlGaAs	Infrared	Water Clear	1.5	2.5	845	855	30(mw)	<100	120		
C20A1-H880-30	AlGaAs	Infrared	Water Clear	1.5	2.5	875	885	65(mw)	<100	30		
C20A1-H880-60	AlGaAs	Infrared	Water Clear	1.5	2.5	875	885	45(mw)	<100	60		
C20A1-H880-120	AlGaAs	Infrared	Water Clear	1.5	2.5	875	885	30(mw)	<100	120		
C20A1-H940-30	AlGaAs	Infrared	Water Clear	1.5	2.5	935	945	65(mw)	<100	30		
C20A1-H940-60	AlGaAs	Infrared	Water Clear	1.5	2.5	935	945	45(mw)	<100	60		
C20A1-H940-120	AlGaAs	Infrared	Water Clear	1.5	2.5	935	945	30(mw)	<100	120		