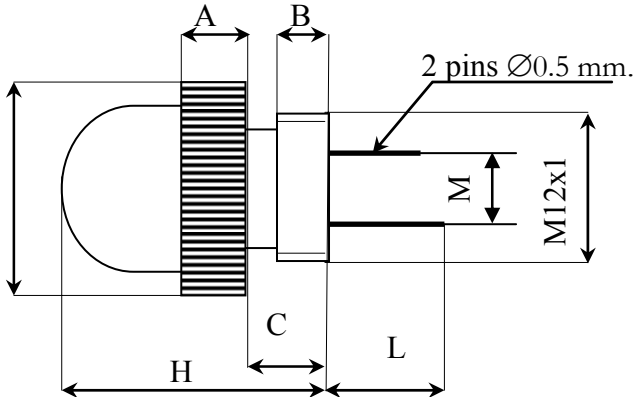


LED type			IRS2k-635-....		IRS2k-660-....		IRS2k-685-....		IRS2k-730-....	
FWHM in far field, deg.			05	10	05	10	05	10	05	10
#	parameter	unit	Ratings							
1	CW current	mA	500		500		700		500	
2	Power consumption	mW	1200		1200		1600		1600	
3	Storage temperature	°C	-20.....65		-20.....65		-20.....65		-20.....65	
4	Operating temperatures	°C	-40.....85		-40.....85		-40.....85		-40.....85	
5	Thermal resistance p-n junction/header	K/W	12		12		13		13	
6	Wavelength	nm	620-635		650-670		680-690		728-730	
7	FWHM	nm	20		20		25		25	
8	Forward bias (500 mA)	V	2.2		2.3-2.4		2.1-2.3		1.9	
10	Beam divergence $2\Theta_{0.5}$	deg.	5-6	10-11	5-6	10-11	5-6	10-12	5	10-12
11	Output power (350 mA)	mW	75	145	95	150	35	45	50	95
	Output power (500 mA)	mW	110	205	135	210			70	130
	Output power (700 mA)	mW					70	88		
12	Reverse current (CW, 10V)	μA	<5		<5		<50		<5	

	Dimension	Ratings, mm	$2\Theta_{0.5}$, deg.	P (mW) at 350 mA
	A	6	Power ratings are given here for the 685 nm LEDs	
B	4.9			
C	6.4			
D	16			
H ₁	21		10-12	45-55
H ₂	23.5		9-10 or 10-12	45-55 or 50-60
L	8			
M1	6.5	Currently is not available		
M2	5			