



## JET-660-12

- Single Chip Design
- 660 nm, 210 mW
- Ultra Narrow Beam Angle
- Homogeneous Square Beam Pattern



### Description

**JET-660-12** is a single chip LED emitter, utilizing a single high power chip die with a clear epoxy lens offering **ultra low divergence beam** of perfectly square proportions. It features a full metal submount with **M12x1 thread** for convenient installation and ideal heat dissipation

### Specifications

Parameter	Symbol	Values		Unit
		Min.	Max.	
Thermal Power	$P_T$		1200	mW
Operating Current	$I_F$		500	mA
Reverse Current (10V)	$I_R$		<5	$\mu$ A
Operating Temperature	$T_{CASE}$	- 20	+ 60	$^{\circ}$ C
Storage Temperature	$T_{STG}$	0	+ 40	$^{\circ}$ C
Soldering Temperature	$T_{SOLDER}$		260	$^{\circ}$ C

### Electrical Connection ( $I_F=350mA$ )

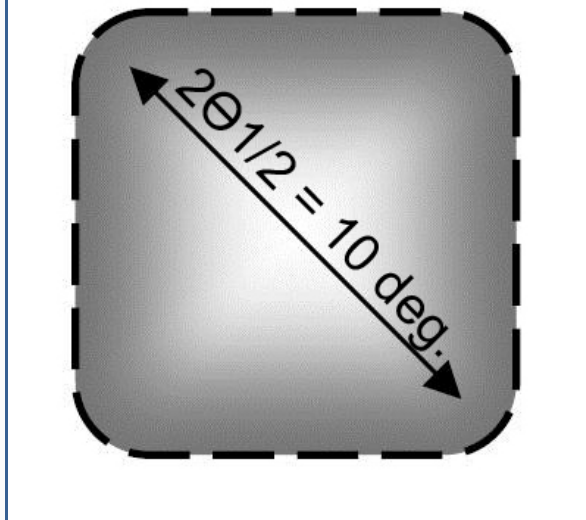
Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Emission Wavelength	$\lambda_{peak}$	650	660	670	nm
Optical Output Power	$P_O$		250		mW
Spectral Width (FWHM)	$\Delta\lambda$		20		nm
Operating Voltage	$V_F$		2.2	2.4	V
Beam Divergence (FWHM)	$\Theta$		10	11	deg
Thermal resistance	$K/W$		12		
Rise/Fall time	$t_R/t_F$		30/40		ns



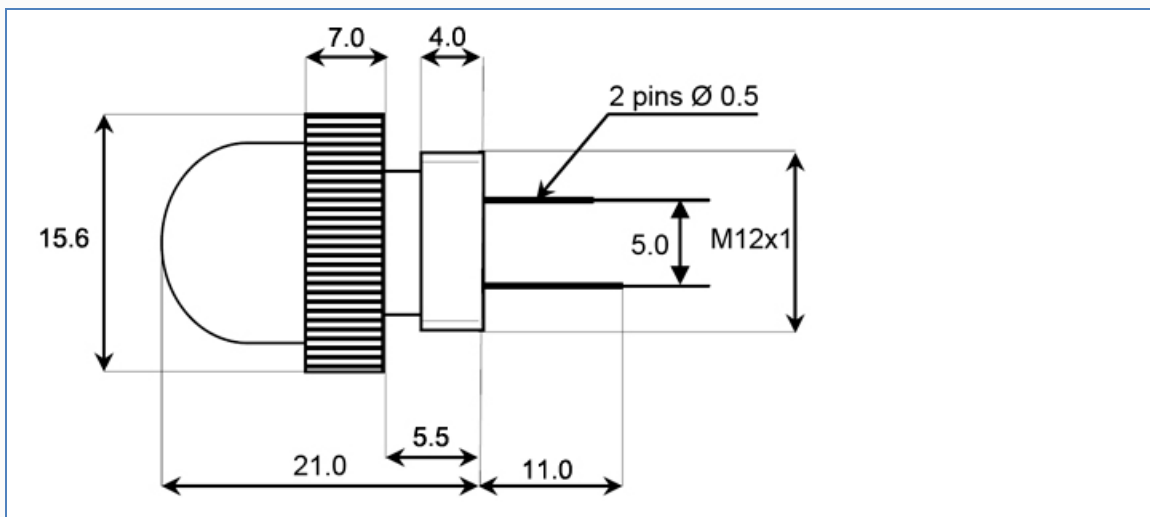


## Optical Characteristics

Far Field Pattern



## Drawing



All dimensions in mm