



LINEMAN : ALM-783100-*BC301

Absolute Maximum Rating

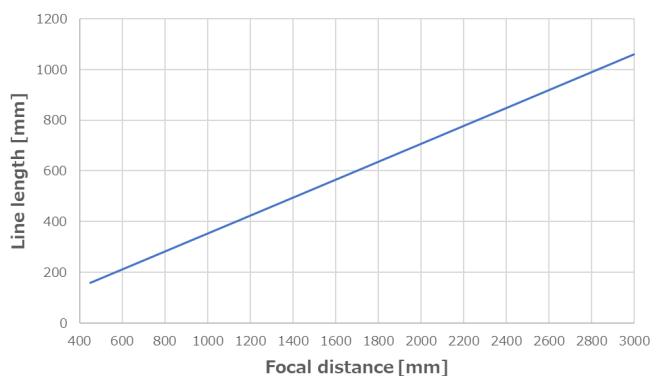
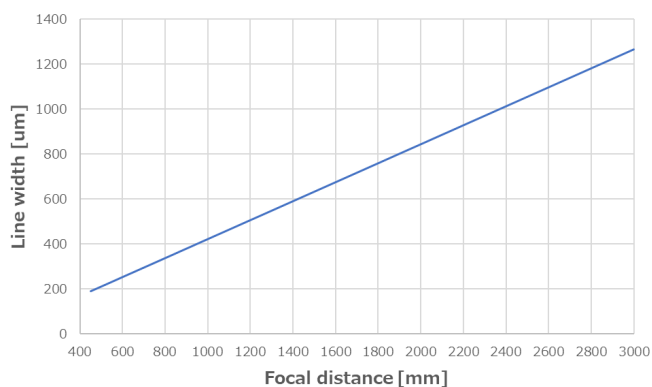
Item	Rating
Input voltage (Vcc)	6.0V
Operating temperature *)	-10°C to 50°C
Storage temperature *)	-20°C to 60°C

*) Housing temperature

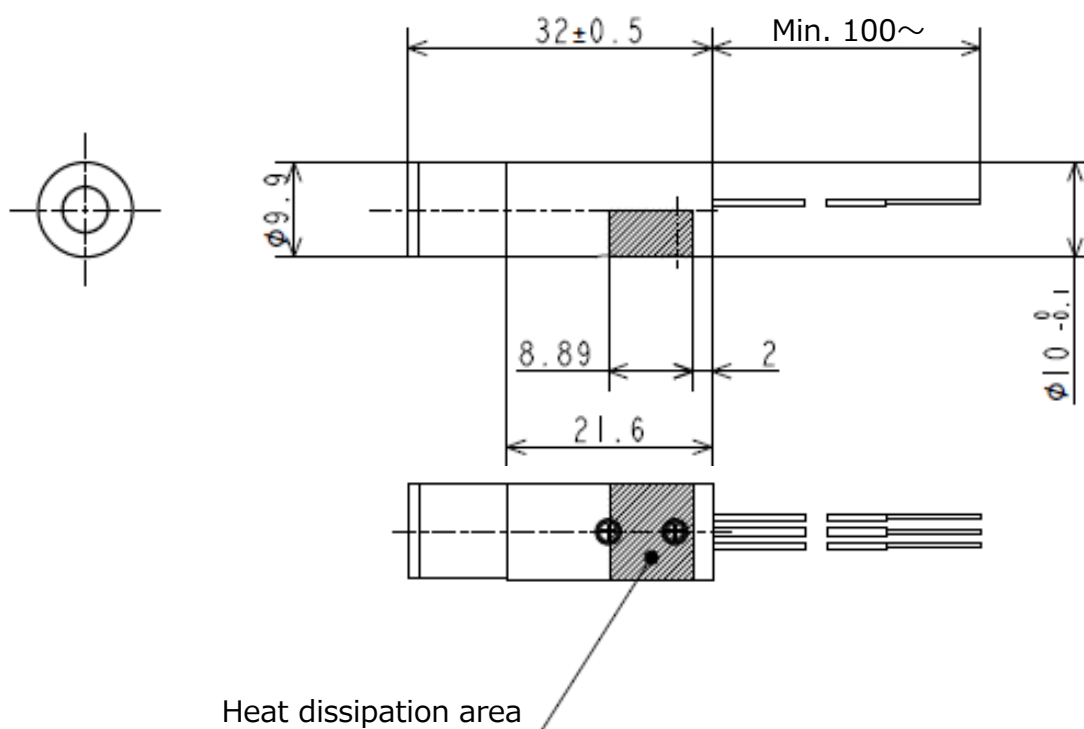
Electrical and optical characteristics (T Housing = 25°C) **)

Item	Min.	Typ.	Max.
Fan angle	—	20°	—
Focal distance	—	450~3000mm	—
Output Power	—	TBD	40mW
Wavelength	775nm	783nm	795nm
Line length at Focal distance		160~1050mm	
Line width (1/e ²) at Focal distance	—	190~1250um	
Line uniformity at Focal distance	—	—	10%
Line straightness	—	—	0.1%
Input voltage	4.5V	5.0V	5.5V
Operating current	—	TBD	220mA

**) All characteristics are simulation results based on design center values.


Focal distance vs Line length (FA:20°)

Focal distance vs Line width


Package Dimension (unit : mm)



Wire Connections

Wire : 28AWG UL1571

Wire	Color	Signal	Function
1	Red	Vcc	Input voltage
2	Black	GND	
3	Green	TTL-Mod.	ON : 0~0.8V、OPEN OFF : 4~5V