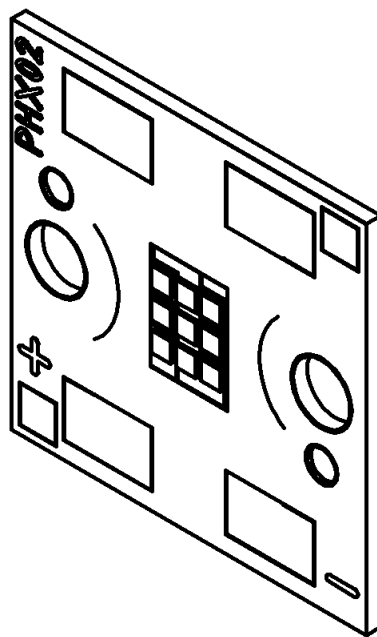


UVCOB9-2020-405-60-001



UVCOB9-2020-405-60-001

405nm HIGH POWER LED



Size

W20×D20×H2 mm

UVCOB9-2020-405-60-001

Maximum Ratings (Tc=25°C)

Parameter	Symbol	Values	Unit
Power Dissipation	P_D	37	W
Forward Current	I_F	1	A
Reverse Voltage	V_R	5	V
Junction Temperature	T_j	115	°C
Operating Temperature ※	T_{opr}	-40~85	°C
Storage Temperature ※	T_{stg}	-20~65	°C

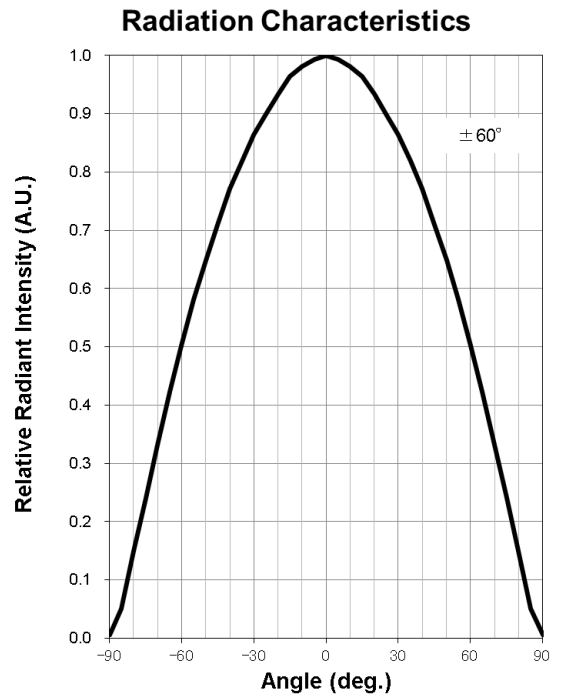
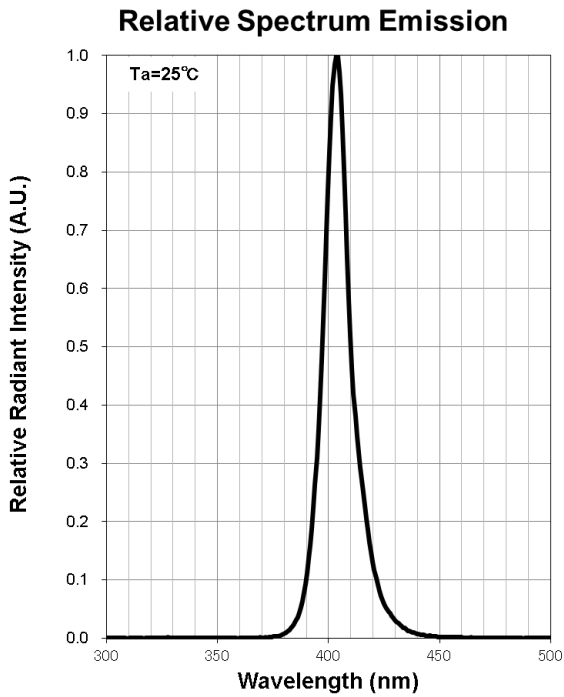
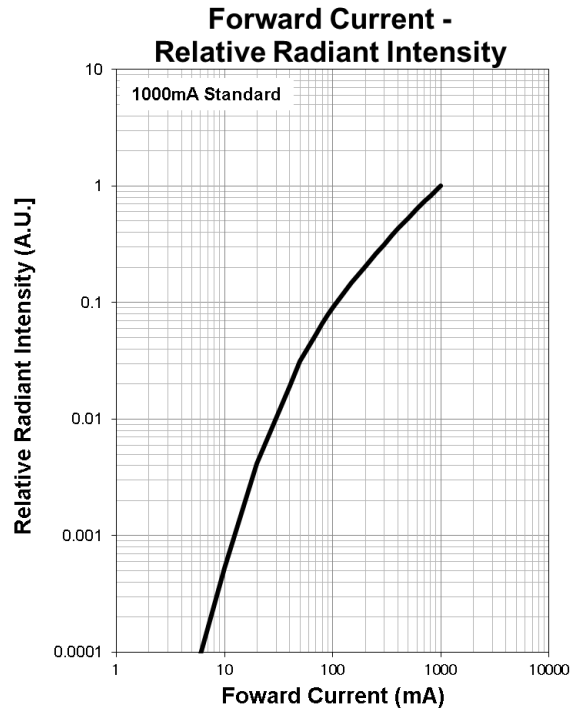
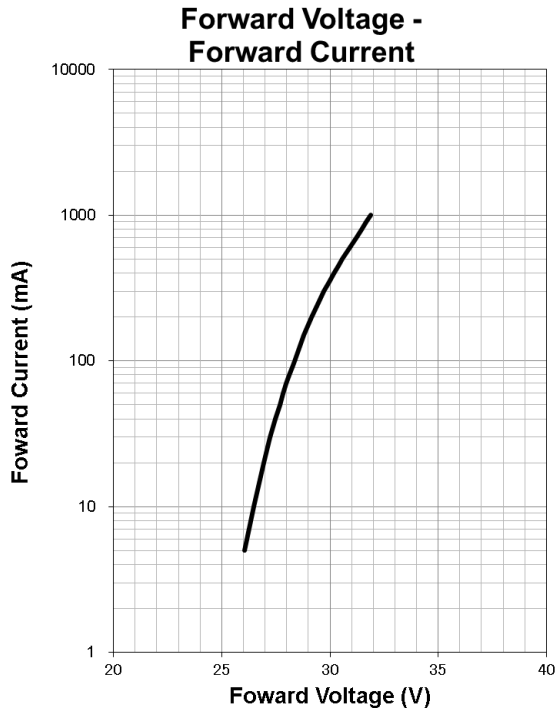
※No condensation

Optical and Electrical Characteristics (Tc=25°C)

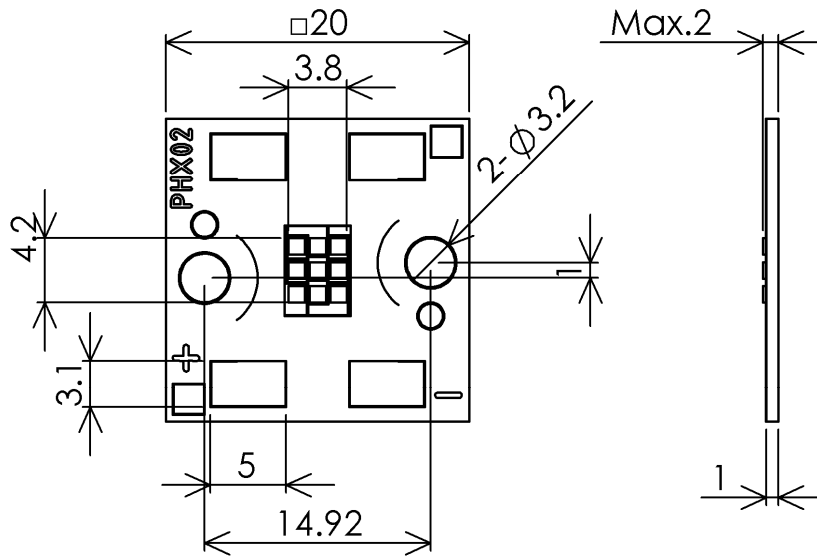
Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Forward Voltage	V_F		32	37	V	$I_F=1A$
Radiated Power	P_O		13		W	$I_F=1A$
Peak Wavelength	λ_p		405		nm	$I_F=1A$
Half Width	$\Delta \lambda$		14		nm	$I_F=1A$
Viewing Half Angle	$\theta_{1/2}$		± 60		deg	$I_F=1A$

※Radiated Power is measured by MCPD-9800.

Typical Characteristic Curves



Outline



Unit : mm