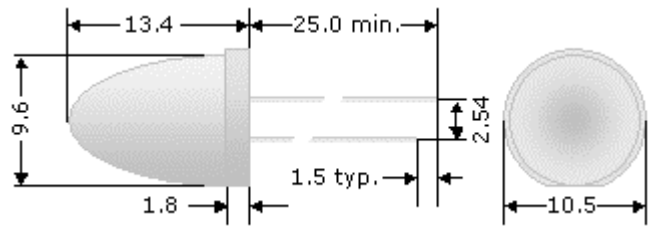


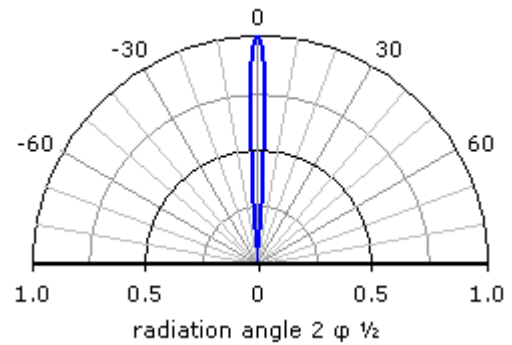


Product SPG 11010

discrete diodes 10 mm
color green



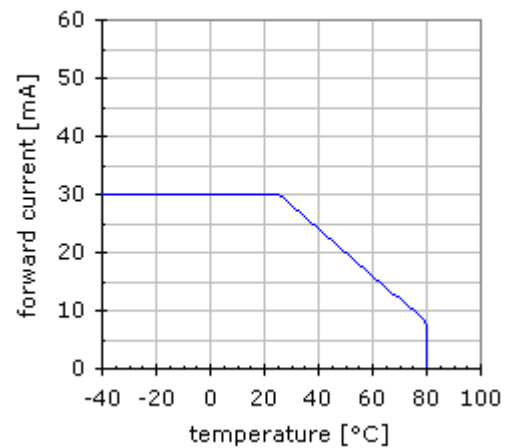
product-catalog	discrete diodes 10 mm
color	green
part no	SPG 11010
peak wavelength λ_p [nm]	530
Iv [mcd] @ 20 mA min	7000
Iv [mcd] @ 20 mA typ	10000
radiation angle $2\phi_{1/2}$	6
chip construction	GaN
forward voltage typ. [V]	3.6
case color	waterclear



GaN operating characteristics - color green

maximum ratings

forward current max.	$I_{F \max}$	30 mA
pulse current max. (1/10 tp)	$I_{P \max}$	100 mA
reverse voltage	$V_{R \max}$	5.0 V
reverse current	$I_{R \max}$	10 μ A
operating temperature	t_{opr}	-20 .. +80 °C
storage temperature	t_{stor}	-30 .. +100 °C
power dissipation	$P_d \max$	120 mW
forward voltage max.	$V_{F \max}$	4.0 V



dip and wave soldering instructions

- temperature of the soldering bath 260° celsius
- maximum soldering time 5 second
- distance from solder joint to case is 2.0 mm

note

- all dimension are in millimeter
- tolerance is ± 0.25 mm unless otherwise noted
- specifications are subject to change without notice
- version 1.0 SPG11010

