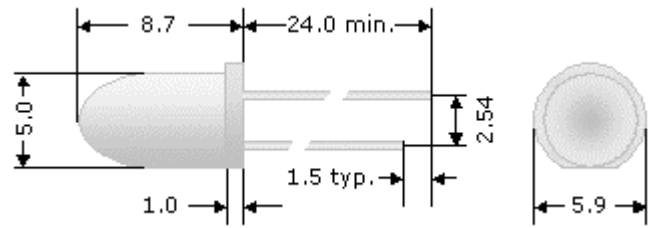


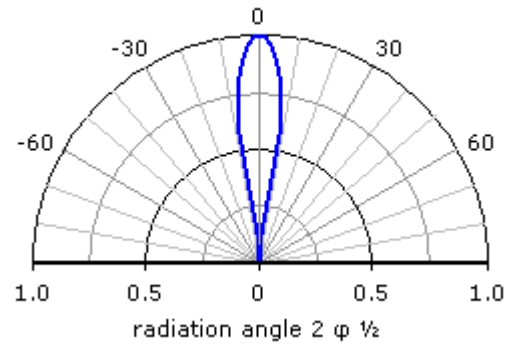


Product SUY 50010

discrete diodes 5 mm
color yellow

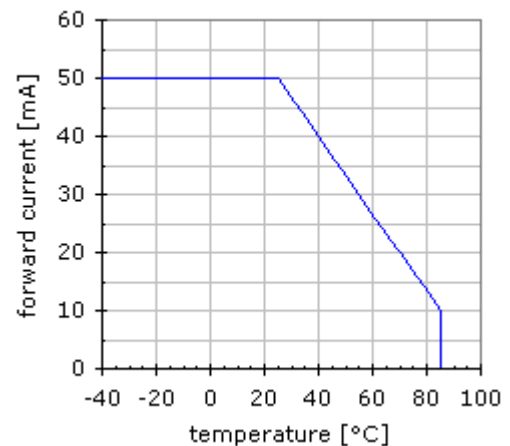


product-catalog	discrete diodes 5 mm
color	yellow
part no	SUY 50010
peak wavelength λ_p [nm]	590
Iv [mcd] @ 20 mA min	3400
Iv [mcd] @ 20 mA typ	6200
radiation angle $2\phi_{1/2}$	15
chip construction	InGaAlP
forward voltage typ. [V]	2.0
case color	waterclear



InGaAlP operating characteristics - color yellow maximum ratings

forward current max.	$I_{F\ max}$	50 mA
pulse current max. (1/10 tp)	$I_{P\ max}$	120 mA
reverse voltage	$V_{R\ max}$	4.0 V
reverse current	$I_{R\ max}$	50 μ A
operating temperature	t_{opr}	-40 .. +85 °C
storage temperature	t_{stor}	-40 .. +120 °C
power dissipation	$P_{d\ max}$	100 mW
forward voltage max.	$V_{F\ max}$	2.8 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 SUY50010

