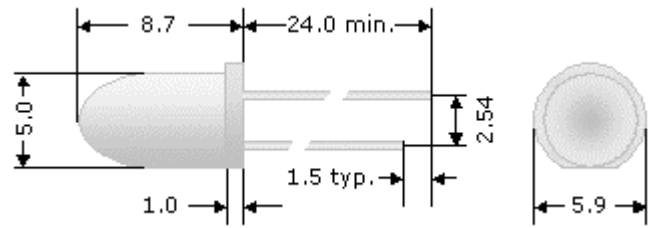


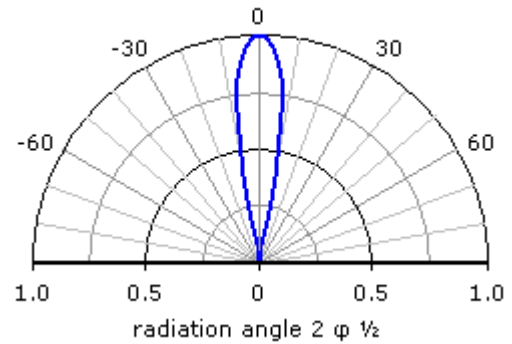


Product ESR 50020

discrete diodes 5 mm
color red

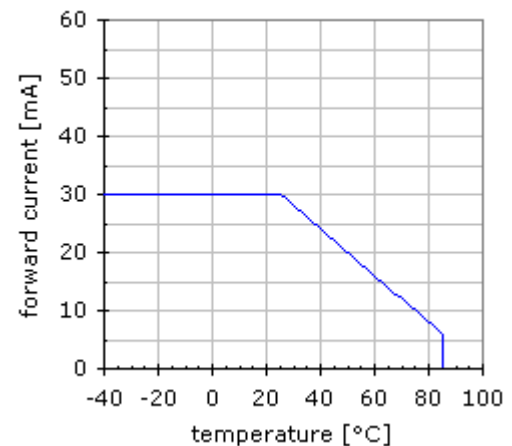


product-catalog	discrete diodes 5 mm
color	red
part no	ESR 50020
peak wavelength λ_p [nm]	660
Iv [mcd] @ 20 mA min	1200
Iv [mcd] @ 20 mA typ	2000
radiation angle $2\phi_{1/2}$	20
chip construction	GaAlAs
forward voltage typ. [V]	1.9
case color	waterclear



GaAlAs operating characteristics - color red maximum ratings

forward current max.	$I_{F \max}$	30 mA
pulse current max. (1/10 tp)	$I_{P \max}$	120 mA
reverse voltage	$V_{R \max}$	5.0 V
reverse current	$I_{R \max}$	10 μ A
operating temperature	t_{opr}	-40 .. +85 °C
storage temperature	t_{stor}	-40 .. +100 °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 ESR50020

