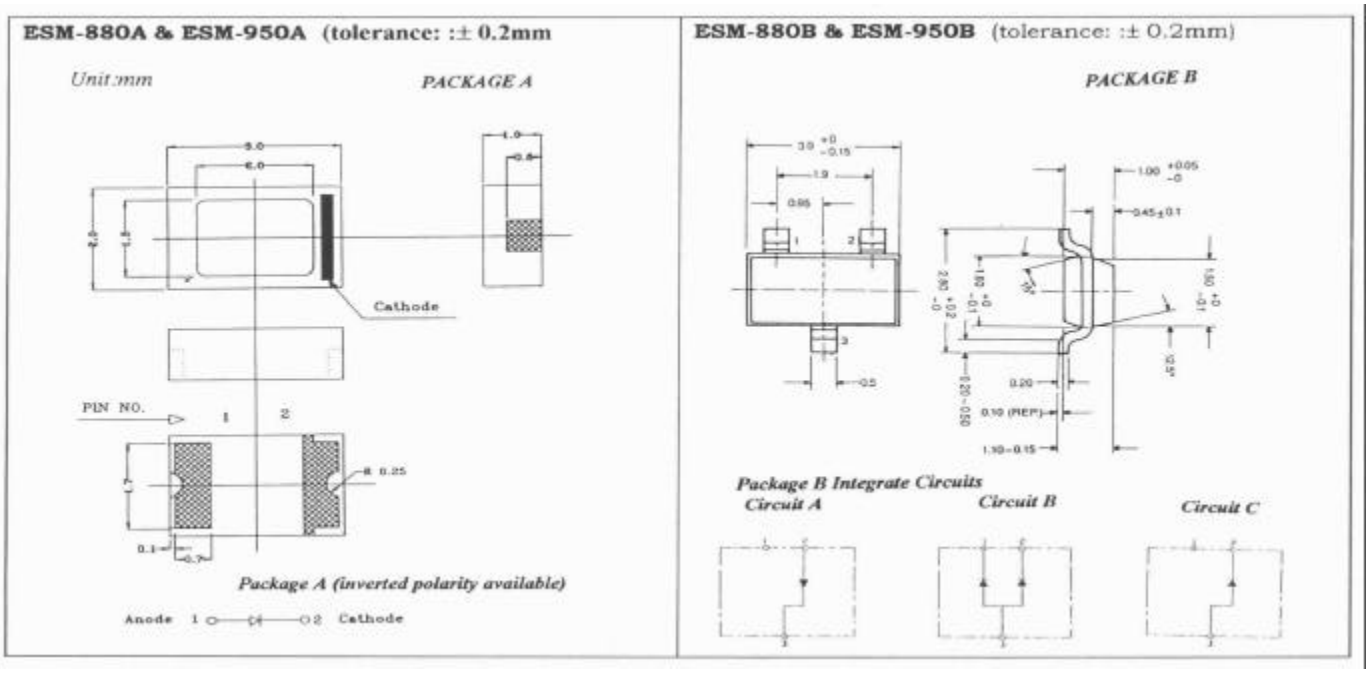
ELEKON

Surface Mount LED ESM-IR SERIES

High power IRED led mounted in a surface mount package. Emission source material is GaAIAs.

Applications: **Pulse Oximetry, Glucometers, Finger/Ear Probes, Finger Pickups.**

Specifications & Ratings:

Parameter @ 25ºC	Symbol	Conditions	Min.	Typ.	Max.	Absolute	Unit
INFRARED 880nm							
Forward Voltage	Vf	If=20mA		1.35	1.70		V
Reverse Voltage	Vr	Ir=10µA	5	60			V
Output Power	Po	If=20mA	1.5	2.5			mW
Peak Wavelength	λ	If=20mA		880			nm
Spectral Bandwidth	λΔ	If=20mA			80		nm
Rise Time		If=20mA			2,000		ns
Fall Time		If=20mA			1,000		ns
IFRARED 950nm							
Forward Voltage	Vf	If=20mA	5	30			V
Reverse Voltage	Vr	Ir=10µA		1.25	1.40		V
Output Power	Po	If=20mA	1.4	2.0			mW
Peak Wavelength	λ	If=20mA		950			nm
Spectral Bandwidth	λΔ	If=20mA			45		nm
Rise Time		If=20mA			2,000		ns
Fall Time		If=20mA			1,000		ns