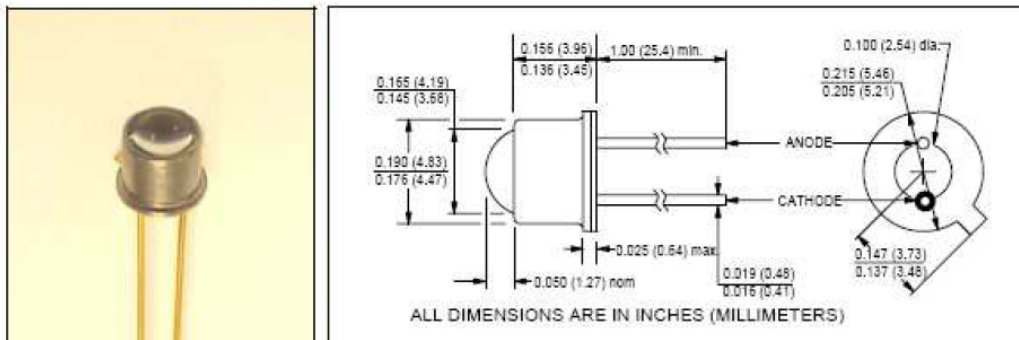


SE-E-436

Description

The SE-E-436 is an advanced, high-efficiency, high speed, GaAlAs red light emitting diode designed for minimal light in the infrared region. Radiated emissions above 750nm are less than 0.1% of emissions at 660nm. For additional information, call BS Elektronik Service GmbH.

High Power Red LED – Minimal Infrared Content
Dome Lens Can, Hermetically Sealed



features

- Dome lens TO-46 Package
- Minimal infrared content
- ± 11° emission angle
- High luminous flux
- RoHS compliant

absolute maximum ratings (T_A = 25°C unless otherwise stated)

storage temperature	-85°C to +150°C
operating temperature	-85°C to +125°C
lead soldering temperature ⁽¹⁾	260°C
continuous forward current ⁽²⁾	60mA
reverse voltage	5V
peak forward current (1.0ms pulse width, 10% duty cycle)	1A
continuous power dissipation ⁽³⁾	200mW

notes:

1. 0.06" (1.5mm) from case for 5 seconds maximum.
2. Derate linearly 0.48mA/°C from 25°C free air temperature to T_A = +125°C
3. Derate linearly 1.60mW/°C from 25°C free air temperature to T_A = +125°C

electrical characteristics (T _A = 25°C unless otherwise noted)						
symbol	parameter	min	typ	max	units	test conditions
I _V	Luminous intensity	-	650	-	mod	I _F = 20mA
Φ _V	Luminous flux	-	72	-	mlm	I _F = 20mA
V _F	Forward voltage	-	-	2.2	V	I _F = 20mA
I _R	Reverse current	-	-	10	μA	V _R = 5.0V
θ _{HP}	Emission angle at half power points	-	22	-	deg.	I _F = 20mA
λ _p	Peak Wavelength	650	660	670	nm	I _F = 20mA