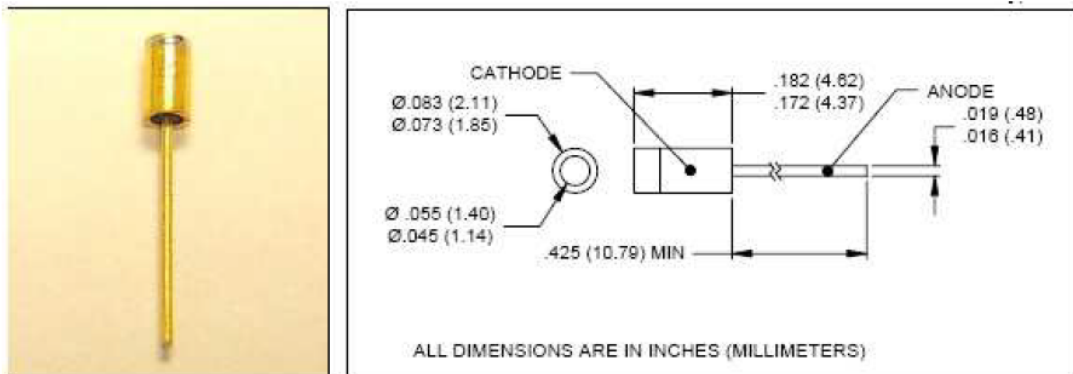


SE-E-549W

Description

The SE-E-549W contains an advanced, high efficiency, high output, GaN blue emitting LED mounted in a miniature hermetic package. A phosphor coating is applied to the die which, when excited, emits white light. It is intended for applications requiring uniform output pattern over a relatively large area and where the application requires close mounting of emitters. Contact BS Elektronik Service GmbH for additional information.



features

- Flat window miniature coaxial package
- ± 50° emitting angle
- cathode connected to case
- 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⁾	280°C
continuous forward current ⁽²⁾	55mA
reverse voltage	5.0V
peak forward current (1.0ms pulse width, 10% duty cycle)	0.25A
continuous power dissipation ⁽³⁾	200mW

notes:

1. 0.08" (1.5mm) from case for 5 seconds maximum.
2. Derate linearly 0.44mA/°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
Φ _V	Luminous flux	-	820	-	mlm	I _F = 20mA
V _F	Forward voltage	-	3.2	3.6	V	I _F = 20mA
I _R	Reverse current	-	-	5.0	µA	V _R = 5.0V
θ _{HP}	Emission angle at half power points	-	100	-	deg.	I _F = 20mA